

DRUGGIST.

CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

APRIL 19 1958

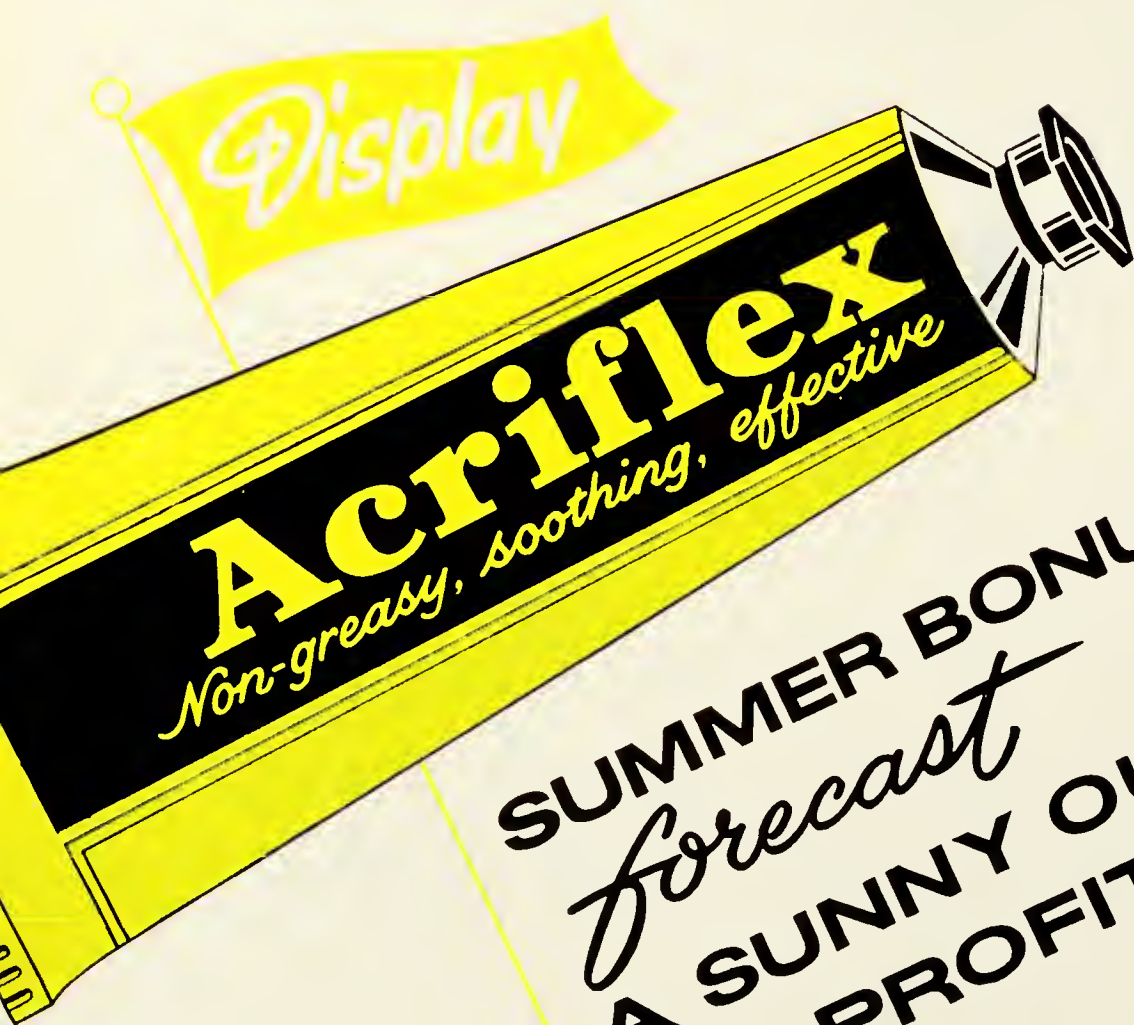
*The happy traveller theme of the high-spirited
advertising for* **'SEA-LEGS'**

in newspapers, on posters and TV

Order Now – Special Bonus Terms



You will be advised of the big publicity plans for this very successful preparation in the April edition of BDH Information



SUMMER BONUS TERMS
forecast
A SUNNY OUTLOOK
ON PROFIT

6 FREE TUBES

On all orders for 6 dozen, assorted in complete dozens of either size, 1 tube in each dozen will be **FREE** (i.e. 12 charged as 11).

24 FREE TUBES

On all orders for 12 dozen or over, assorted in complete dozens of either size, 2 tubes in each dozen will be **FREE** (i.e. 12 charged as 10).

ORDER NOW!


This Summer Bonus offer may be included within our standard £15 discount parcel. Normal carriage terms.

*Why you should
recommend and sell
'**Marzine**'
to prevent
travel sickness...*

- ★ 'Marzine' is the most effective and fastest acting travel sickness remedy.
- ★ 'Marzine' is remarkably free from side effects, such as blurred vision or dry mouth.
- ★ 'Marzine' is safe and may be given to young children without risk.
- ★ 'Marzine' is strongly advertised and appears regularly on all I.T.V. Stations during the holiday and travel season.
- ★ 'Marzine' is still available on special 13-to-the-dozen Bonus Terms, which make it even more profitable for you.



The demand for Solprin



reflects a very definite trend

More and more Solprin is being prescribed and dispensed. Why? It is an efficient analgesic; but that is not the only reason.

What Solprin offers is calcium aspirin in stable form. Dissolved in water (as ordinary aspirin cannot be), Solprin effectively relieves pain, *without producing side effects*.

There can be no risk of gastric irritation from undissolved acid particles—because Solprin is not

merely soluble, but is substantially neutral too.

Doctors agree that gastric irritation from acetyl-salicylic acid may be serious. It is to Solprin that they are turning to get analgesic benefit with so much less risk to their patients.

The medical profession is kept constantly aware of the claims of Solprin. This is important. That Solprin reflects a firm trend in medical opinion is more important still.



SOLPRIN

REGD.

Aspirin in soluble, stable form

Available in 500-tablet packs

Solprin is packed in units of 10 tablets (in foil), 50 units to the pack. The N.H.S. basic price for this pack is 12/6. It is available only on prescription and only in Gt. Britain and Northern Ireland.

RECKITT & SONS LTD., HULL & LONDON (PHARMACEUTICAL DEPARTMENT, HULL)

bonus offer

12 for the price of 11

extended until April 30th

for safe, effective

SWEDISH MILK DIET

the word is

LARSON'S

—there's no other word for it!

Remember, there's no substitute for LARSON'S, the *vitamin-fortified* Swedish Milk Diet with the exclusive formula. LARSON'S is unique and should not be confused with inferior products. *Protect your customers' interests and profit by their satisfaction...* sell them LARSON'S, the best Swedish Milk Diet that money can buy.



**FOR
HEALTHY
SLIMMING**



FBI

DENDRON DISTRIBUTORS Ltd., Rickmansworth Road, Watford.

DRIVER'S *of* LEE GREEN



Wholesale Chemists' Distributors

HAVE PLEASURE IN ANNOUNCING
THEIR ACCEPTANCE AS WHOLESALE
MEMBERS OF THE CHEMISTS FEDERATION

SOLE DISTRIBUTORS OF "PALVIC"

THE NEW ANTISEPTIC SKIN CREAM

27 ELTHAM ROAD, LONDON, S.E.12.

Telephone: LEE GREEN 7471 (10 lines)

**BURROUGH'S
ABSOLUTE ALCOHOL**

JAMES BURROUGH LTD. 1 CALE DISTILLERY LONDON S.E.11

Culmak

SHAVING BRUSHES

MALE INTERNAL CONTRACEPTIVE

The Renowned **GAMIC APPLIANCE**

• SEND NOW FOR LITERATURE TO:

GAMIC GENETIC LABORATORIES, DEPT. D, POTTO, NORTHALLERTON, YORKSHIRE

F. SCHUTZE & CO., LTD.

ESTABLISHED 1882

For "MASTER" BRAND SURGICAL TRUSSES
SUSPENSORY BANDAGES
JOCK STRAPS, etc., etc.

PERFUMERY BOTTLE WICKERERS in RAFFIA
or SILK, plain or fancy, wide range of designs.
Own bottles wickered at moderate cost.

**Black Bull Works, Market Road
London, N.7**

Always in Demand

RODINE

Rodine Phosphorus, Rodine Red Squill,
Rodine Warfarin (Ready-to-use or Concentrate),
and Special Rodine Mouse Warfarin.
THOMAS HARLEY LTD., RODINE WORKS, PERTH, SCOTLAND

**CHEMIST'S DICTIONARY OF
MEDICAL TERMS 7th Edition**

Prepared primarily for pharmacists, the Dictionary is indispensable also for pharmaceutical manufacturers, advertising agents concerned with the marketing of medicinal products and indeed all who have to find their way around among the multifarious medicinal compounds of modern times.

Order direct from:

PRICE 17/6. Postage 9d.

THE CHEMIST & DRUGGIST

28 ESSEX STREET, STRAND, LONDON, W.C.2

INDEX TO ADVERTISERS

Allen & Hanburys, Ltd.	Cover ii	Crowe, Walter, Ltd.	13
Associated Fumigators, Ltd.	8	Culmak, Ltd.	4
Associated Rediffusion, Ltd.	46	Cupal, Ltd.	31
Atkinson, J. & E., Ltd.	15	Cussons Sons & Co., Ltd.	48
Barker, Robert, & Son, Ltd.	Classified Section	Cuticura Preparations	36
Beatson, Clark & Co., Ltd.	27	Cuxson, Gerrard & Co., Ltd.	44
Beautisales, Ltd.	32	Daily Mail, The	9
Berdoe & Fish	Classified Section	Daniel, Richard, & Son, Ltd.	13
Biometica, Ltd.	11	Dendron Distributors, Ltd.	3
Bird, Alfred, & Sons, Ltd.	26	Domestos, Ltd., 'Sqezy'	19
British Drug Houses, Ltd., The	Front Cover	Driver's (Lee Green), Ltd.	4
British Dyewood Co., Ltd., The	34	F.A.I.R. Laboratories, Ltd.	42
Burrough, James, Ltd.	4	Farbwerke Hoechst A.G./Hoechst Chemicals, Ltd.	32
Burroughs Wellcome & Co.	1	Fibrenyle, Ltd.	14
Calfos, Ltd.	6	Fletcher & Farlow, Ltd.	40
Carnegies of Welwyn, Ltd.	12, 47	Furman, B. N. (Productions), Ltd.	44
Cartwright, W. B., Ltd.	5	Gamic Genetic Laboratories	4
Chemist and Druggist Dictionary of Medical Terms	4	Gledhill, G. H., & Sons, Ltd.	38
Chemist and Druggist Modern Course of Photographic Studies	49	Golden, Ltd., 'Color-Glo'	20
Chemist and Druggist Pharmaceutical Formulas ..	44	Goya, Ltd. (Corvette)	25
Coty	7		
Cox, Arthur H., & Co., Ltd.	8		

(continued overleaf)

TABLETS

To any Formula

Our long experience of tablet manufacture is at your disposal. Exercising the strictest laboratory control throughout all production stages, we prepare tablets, coated or uncoated, to B.P., B.P.C., N.F., or customer's own formula, processing his own materials if desired. Our service includes your 'own name' labelling and packaging to meet individual requirements.



W. B. CARTWRIGHT LTD.

MANUFACTURING CHEMISTS

RAWDON

LEEDS

INDEX (cont.)

Hampshire, F. W., & Co., Ltd.	18	Pfizer, Ltd.—Preludin	17
Harley, Thos., Ltd.	4	Progress Shaving Brush Co., Ltd., The	36
Huffer & Smith, Ltd.	22	Radiol Chemicals, Ltd.	16
Hughes, E. Griffiths, Ltd.	23	Regna Cash Register Co., The	Cover iii
Hunter, R. F., Ltd.	14	Robinson & Sons, Ltd.	33
Imperial Chemical Industries, Ltd. (Pharmaceuticals Division)	Cover iv	Robinson & Sons, Ltd., 'Boxes'	39
Johnson & Johnson (Gt. Britain), Ltd.	51	Roche Products, Ltd.	28
Kay Brothers, Ltd.	24	Salter, Geo., & Co., Ltd.	35
Lastonet Products, Ltd.	36	Samuelson, P., & Co.	34
Lederle Laboratories Division ... Interleaved Edit.,	437	Savory & Moore, Ltd.	8
Lederle Laboratories Division ... Interleaved Edit.,	29	Schutze, F., & Co., Ltd.	4
Mellojuce, Ltd.	38	Searle, G. D., & Co., Ltd. Interleaved Edit.,	30
New Hygiene, Ltd.	10	Smith & Nephew Pharmaceuticals, Ltd.	37
Nicholas, A. & G., Ltd.	43	'Solprin'	2
Oliver's, William (Rubber), Ltd.	40	Southalls (Birmingham), Ltd.	12
Orme Bros., Ltd.	38	Stafford-Miller, Ltd.	24
Orridge & Co. Classified Section		Sutton, W., & Co., Ltd.	45
Peboc, Ltd.	40	Taylor, Edward, Ltd.	22
Pfizer, Ltd.—Finalgon	Interleaved Edit., 438	Universal Metal Products, Ltd.	21
		Vitamins, Ltd.	50
		Whitaker & Co. (Kendal), Ltd.	40
		Wilson & Mansfield, Ltd.	34
		Zimmermann, Chas., & Co., Ltd.	45

Edible Bone Phosphate

*Full particulars, samples and prices from
Calfo Ltd.*

*Imperial House, Kingsway, London, W.C.2
Telephone: Temple Bar 3629*

Announcing the lipstick winner of the year! *Racing Red*

a brilliant newcomer to the famous
'Wake-up-Beautiful' lipsticks

COTY "24"

Coty puts a sure beauty winner in the field again! Racing Red, the newest, truest, liveliest red of the year. (There's cream rouge and powder rouge too, in this glowing new shade.) Powerful TV and press advertising will back this exciting new lipstick favourite! *Be sure you back it too!*

- * Link up with this great promotion and advertise in your local papers.
- * Use the colourful display material in your windows and compel passers-by to come in and buy the lipstick they've read so much about.
- * Focus attention on your counters by prominently displaying the counter unit and showcards.

Racing Red, together with Coty's nine other radiant shades of Rose, Rose Amaranth, Precious Pink, Riviera Pink, Tulip Pink, Magnet Red, Medium, Bright and Flame Gold give you a complete range of this season's lipstick fashion colours.

DE LUXE CASE & SWITCH-STICK



***Racing Red is the tip that pays off! Be ready to
collect on the lipstick winner of the year!***



Cream of Lanolin

**A boon to the housewife
and a most successful line
for the retailer**

If you are not yet familiar with this excellent and attractively presented line, please write to our Sales Department for a sample tube and trade terms.

**ARTHUR H. COX & CO., LTD.
BRIGHTON • ENGLAND**

In the service of Pharmacy since 1839

TRITOX

**THE ONLY NO-SPRAY SYSTEMIC
INSECTICIDE AVAILABLE TO
THE AMATEUR GARDENER**

**MAKES GREENFLY AND OTHER
APHIDS KILL THEMSELVES**



DILUTE

SOAK
SOIL

PLANT
ABSORBS

APHIDS
DIE

**for
non-edible
plants
only**

Retail selling prices

3/6 & 6/-
per bottle

Economy sizes

11/6 & 21/-



Full particulars and trade prices from sole manufacturers :

ASSOCIATED FUMIGATORS LTD.

112 Victoria Dock Rd., London, E.16. Tel: Albert Dock 2145/6

MAYFAIR "A" BLACKCURRANT SYRUP

with glucose added

PRICE REDUCTION

The new price, as shown below, makes this line more attractive than ever.

SIZE 12oz.

RETAIL PRICE — 3/6

TRADE PRICE — 33/6

(PER DOZEN — TAX FREE)

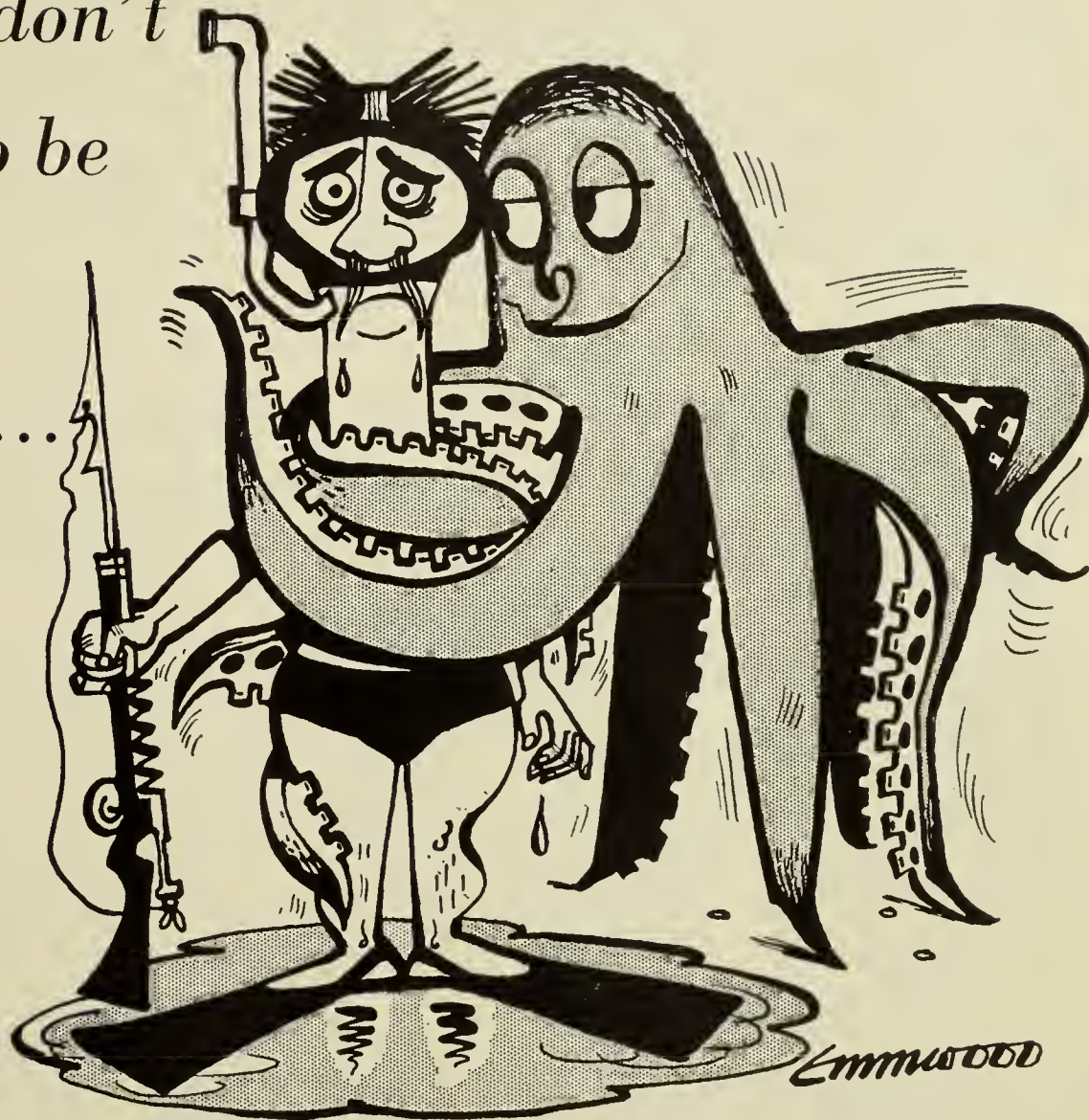
In addition it will qualify for our usual quantity discounts, namely 10% on a £5 order.



SAVORY & MOORE LTD.

Standard Works, Lawrence Road, N.15

*If you don't
want to be
stuck
with it...*



**make sure it's advertised
in the Daily Mail**

Nobody likes being stuck with a product that won't move off the shelves. That's why it's so important, when the salesman calls, to ask him this: *'Is the Daily Mail on the advertising schedule?'* It ought to be down there in black and white in that impressive looking folder he flashes at you. But make sure.

It's important. If the answer's Yes, you can stock up a new line quite happily. Because your best customers, the steady, dependable ones, your bread and butter trade, tend to be Daily Mail

readers. You may have noticed it yourself.

If they see anything advertised in the Daily Mail, they know they can trust it. The Daily Mail vets its advertisements very carefully. And if a genuine complaint comes in about anything it advertises, the Daily Mail will *get the customer's money back*. Or make the refund itself. That sort of thing has built up a lot of confidence over the years.

So if you want your lines to move steadily, do make sure they're advertised in the Daily Mail.

YOUR BEST CUSTOMERS READ THE DAILY MAIL

Start your own
Scentinel *Hygiene Dept*
It MAKES Sales



**THIS
 DISPLAY
 STAND
 FREE!**

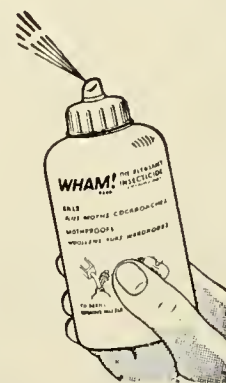
This striking Display Stand showing the whole range of Scentinel Home Fresheners will make regular sales, profitable sales. Show Scentinel products and they sell themselves. You see them advertised in National Magazines and on TV—so do your customers.

**We're telling the Homes of the Nation —
 GIVE YOUR HOME A MODERN AIR—
 HAVE "SCENTINEL" FRESHNESS EVERYWHERE!**
and you can cash in on our campaign



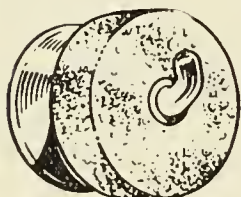
"QUIFF"

The fragrant air-freshener spray. Aerosol 5/6. Squeeze bottle 3/6. Refills 1/6.



"WHAM"

The fragrant fly-spray in squeeze bottle 3/6. Refills 1/6. Aerosol 5/6.



"SWISH"

Toilet bowl cleanser and disinfectant. Held in pan by suction hook. 1/6 complete. Refills 9d.



"MIKE"

Popular air-freshener in plastic holder, with suction grip. Complete 2/9. Refills 1/3 and 9d.



"ROSEBUD"

Silver foil package, 3" sq. Specially suitable for hanging in wardrobes 1/3.



"MINOR"

A fragrant chemical block for the "Mike" or any of the smaller containers on the market, 9d. In unbreakable holder, with suction grip, as shown, 1/6 complete.

**DISPLAY STAND
 FREE!**

SEND IN THE COUPON AND GET FULL DETAILS OF OUR FREE OFFER. OUR REPRESENTATIVE WILL CALL AND SET UP THE DISPLAY IN YOUR STORE.

PLEASE SEND DETAILS OF YOUR DISPLAY STAND OFFER.

NAME-----

ADDRESS-----

NEW HYGIENE LTD., 266 - 268 HOLLOWAY ROAD, LONDON, N.7

Telephone: NORTH 5041-2-3

Telegrams: AIROGENA-HOLWAY, CODE A B C

**NOW
IS
THE
TIME
TO
ORDER**



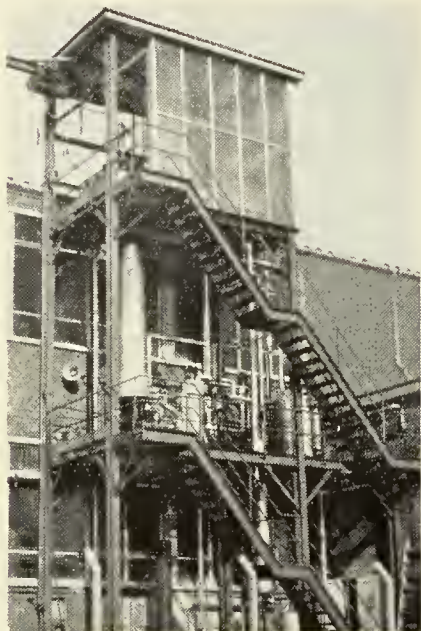
BIOMETICA LIMITED

Boreham Wood, Herts. Telephone: Elstree 3145/3520



CARNEGIES PHARMACEUTICALS

3 years
intensive
research
preceded the
introduction
of



CARNEGIES

RHOMEX

THE SAFE ANTHELMINTIC

*In the treatment of threadworm
and roundworm infestation*

Rhomex contains Piperazine Citrate—which is a considerable advance on the older anthelmintics such as Santonin and Gentian Violet in oxyuricidal efficacy, whilst being well tolerated even by infants.

The Piperazine Citrate used in the manufacture of Rhomex is synthesised entirely in our own factory by a new process, the result of three years' intensive research by our chemists. It is of the highest degree of purity and being in a readily soluble form its action is swift and sure.

Now being brought to the notice of the Medical Profession directly and by advertising in the medical journals.

Supplies available through your usual wholesaler.

PRICES

		Trade	Retail
ELIXIR	4½ oz. bottle ..	4/3	6/4½
	2 litre bottle ..	48/6	—
TABLETS	25	2/9	4/1½
	50	5/-	7/6
	100	9/3	13/10½

(Prescribable on Form E.C.10)



'TREE OF LIFE'

REGD TRADE MARK

Made by

CARNEGIES of WELWYN LTD.

MANUFACTURERS OF FINE CHEMICALS

ESTABLISHED 1911

Sole distributors in the United Kingdom

SAVORY & MOORE LTD.

STANDARD WORKS

LAWRENCE ROAD, LONDON, N.15

Southalls

*the name for
Mother and Baby*

... The most experienced
manufacturers of high-grade products
for personal hygiene.

Products guaranteed by the name with
an old-established reputation.

Southalls

*A comprehensive range of
Santowels, Sanpanties, Sanbelts
and Surgical dressings*

also

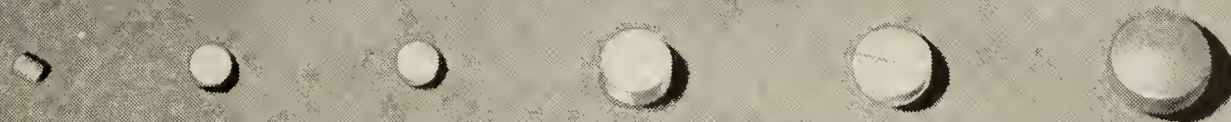
Baby Powder, Baby Pants and Baby Soap

SOUTHALLS (BIRMINGHAM) LTD.
CHARFORD MILLS, BIRMINGHAM 8

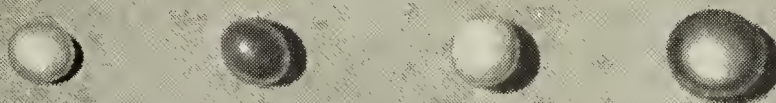
Makers of Sanitary towels for over 70 years

Southalls

*IF YOU ARE LOOKING FOR A TABLET MANUFACTURER TO HANDLE YOUR PRODUCT
BE IT LARGE OR SMALL, IN THOUSANDS OR MILLIONS, WHY NOT*



CONTACT ONE OF THE FOREMOST MAKERS WHO HAVE TAKEN PRIDE IN



MANUFACTURING TABLETS & PILLS FOR MANY YEARS



RICHARD DANIEL & SON, LTD. DERBY

Write us at Mansfield Road or ring Derby 40671 (Eight lines)

CHANGE OF ADDRESS

WALTER CROWE LIMITED

announce removal of offices
and warehouse to larger premises at :

26/28, City Road, London, E.C.1

New Telephone Numbers:

MONarch 4616/7/8



Narrow Neck
Feeding Bottle **RETAIL 2/6**

"Skylon"

**THE ORIGINAL
POLYTHENE
FEEDING BOTTLES**

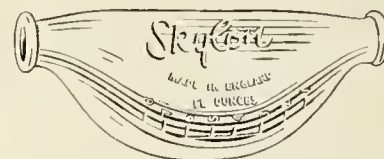
Hygienic, tasteless, odourless, unaffected by foodstuffs. Standard valves and teats fit narrow neck and boat-shape bottles. Sterilizing instructions with each bottle.

Obtainable from
your usual
Wholesaler



FIBRENYLE
LIMITED
157 DUKES ROAD, LONDON, W.3
ACORN 5073-4

By far the best value for this type of product



Boat-shaped
Feeding Bottle **RETAIL 2/8**

P.A.T.A.



Dual Purpose
Feeding Bottle
with No-germ
Cap **RETAIL 4/4**
JACW/CD/4

SHOW YOUR
CUSTOMERS
**WHAT A
DIFFERENCE A
HUNTER
SCREEN**

MAKES IN THE PROJECTION
OF TRANSPARENCIES



The range of Hunter Screens includes:

CELFIX · TRAVELLER Tripod · TRAVELLER Wall Type · STARLIGHT Tripod
HUNTSMAN Table · RAYBRITE Table & Hanging

To demonstrate is to sell.

Attractive literature available to stockists.

Hunter Screens are made in England by:



R. F. HUNTER LIMITED

"Celfix House," 51/53 Gray's Inn Rd., London, W.C.1.

Phone Holborn 7311/2

FACTORIES AT LONDON AND LEIGHTON BUZZARD, BEDS.

Get your display material! Stock up now!



READY FOR HEAVY ADVERTISING ON I T V

BETWEEN MARCH & MAY

**ATKINSONS *Skin Deep*
BEAUTY CREAM**

—the cream for dry and sensitive skins

HERE ARE THREE
SUGGESTED PARCELS YOU
CAN HAVE CARRIAGE PAID

Less 2½%—30 days.

Parcel A—£2.2.6 (+P.T.) *Retail*

1½ Dozen Tubes Skin Deep Beauty Cream, Plain or Tinted	3/3
¼ Dozen Jars Skin Deep Beauty Cream, Plain or Tinted	6/3
½ Dozen Tubes Skin Deep Hand Cream	4/-

Parcel B—£4.4.11 (+P.T.) *Retail*

3 Dozen Tubes Skin Deep Beauty Cream, Plain or Tinted	3/3
½ Dozen Jars Skin Deep Beauty Cream, Plain or Tinted	6/3
1 Dozen Tubes Skin Deep Hand Cream	4/-

Parcel C—£6.4.11 (+P.T.) *Retail*

4 Dozen Tubes Skin Deep Beauty Cream, Plain or Tinted	3/3
¾ Dozen Jars Skin Deep Beauty Cream, Plain or Tinted	6/3
1 Dozen Tablets Skin Deep Complexion Soap	2/4
1 Dozen Tubes Skin Deep Hand Cream	4/-

ALL PARCELS COMPLETE WITH DISPLAY MATERIAL

PLEASE CUT OUT AND POST THIS ORDER NOW

ORDER FORM—To J. & E. ATKINSON LTD., 24 OLD BOND STREET, W.1.

Please send, subject to your normal terms and conditions of sale:—

.....A	Parcels of Skin Deep	} Complete with material as advertised.
.....B	“ “ “ “	
.....C	“ “ “ “	

NAME.....
(BLOCK LETTERS)

Please put your label or stamp here. ADDRESS.....

Parcels can be routed through your usual Wholesaler if you desire it.

My WHOLESALER is.....

KEEP YOUR TILL 'RADIAN-ACTIVE'!

now!
RADIAN
MASSAGE CREAM
 in NEW 2 oz. size
ONLY 2/11^D.

**EXTRA 10⁰/₀ DISCOUNT
 OFFER BRINGS YOU
 51⁰/₀ TOTAL PROFIT!**

The first time you order Radian Massage Cream in the new 2 oz. size, you will get an extra 10% discount. You can order as much as you like, but it need only be $\frac{1}{2}$ doz. The wholesale price per doz. is 21/- and the total net cost of a minimum order of $\frac{1}{2}$ doz. is 12/8d. (10/6d. less 10% = 9/6d. plus 30% purchase tax = 12/8d.). Retail price, including tax—ONLY 2/11d. per tube!



This special offer ends 31st May, 1958. Send your order NOW!

You may order direct or through your usual wholesaler

**RADIAN PRODUCTS
 ALSO INCLUDE:**

RADIAN-B Aspirin Spirit Liniment
RADIAN-a Spirit Dressing
RADIAN SOOTHING CREAM
RADIAN BATH SALTS
RADIAN OVALS

Radiol
CHEMICALS LIMITED

78 Upper Richmond Road, LONDON, S.W.15]

Phone: VANDyke 1642 and 2692

How many diabetic patients are overweight?

It is a fact* that 77% of all diabetics are overweight. Also established is the fact† that reduction in weight leads to a proportional lowering of the blood sugar level. Should no attempt be made to reduce their weight to a normal average level (weight at the age of 30 is suggested as the ideal) there is, over the years, a higher incidence of complications. In addition, higher amounts of insulin must be administered‡.

How then to achieve weight reduction . . . simply, safely and easily? Preludin can supply the answer. Preludin acts directly on the appetite-satiety centre in the hypothalamus, curbs the urge to over-eat and enables the patient to adhere more easily to any weight-reducing regime prescribed. Side-effects are virtually absent. Preludin is foremost in this field and represents a safe and rational approach to the problem of overweight diabetics.



*L'Union Medicale du Canada June 1957

†The Annals of Internal Medicine
July to December 1942

‡Robillard (Canadian Medical Association
Journal 76,938/40, 1957)

PRELUDIN*

Brand of 2-phenyl-3-methyl-tetrahydro-1, 4-oxazine-hydrochloride

Manufactured and distributed in the U.K. by Pfizer Ltd.,
Folkestone, Kent, for

C. H. BOEHRINGER SOHN, INGELHEIM-AM-RHEIN
Registered proprietors of the Trade Mark

*Regd. Trade Mark



126400

This year Loxene publicity is hitting a new high!

**SEE THE SET-UP FOR THE FIRST
QUARTER—ALL THIS BETWEEN
NOW AND APRIL!**

*BIG advertisements featured prominently
in mass-influence publications*

- ★ all the highest-circulation National
dailies and key Provincials
- ★ all the most popular Sundays
- ★ all the most widely-read family and
women's-interest magazines
- ★ twice-weekly spots on every TV
station

*Now's the time to stock up—
Loxene sales are going way up!*

LOXENE

MEDICATED SHAMPOO

SACHET 7d. BOTTLES, 8 shampoos 2/- Family economy size—24 shampoos 4/-



**ADVERTISEMENT
APPEARANCES
—MANY MORE!**

**NUMBER OF
PUBLICATIONS
—MANY MORE!**

**TV SPOTS
—MANY MORE!**

**NUMBER OF
TV STATIONS
ALL OF THEM!**

LOXENE

DOUBLE YOUR STOCKS FOR SQEZY MONTH · BEGINS MAY 5th

SQEZY
is using
every
I.T.V
*** station**

150 SPOTS IN
FIVE WEEKS !
* London now appearing. Other regions begin May 8th.



A new version of last year's successful cartoon film will be shown. Display SQUEZY... a reminder at point-of-sale will mean more than double sales. Retail price 2/- contains GLYCERINE, kindness to hands.

She is
one of 12 million women...

and she's
one of your customers



She is one of 12,000,000 beauty-conscious women reached by COLOR-GLO's powerful and sustained advertising. She would like to have the prettier coloured hair that COLOR-GLO promises—and gives. Simple, fool-proof, harmless, semi-permanent, and natural in appearance, COLOR-GLO is just what she and millions of others want. That's why COLOR-GLO is big business. Stock it, display it, and see how it sells.

STOCK

COLOR-GLO in the full range of colours:
DEEP AUBURN · AUBURN
HONEY BROWN · GOLDEN CHESTNUT
DOVE GREY · MOLTEN GOLD

DISPLAY

the attractive,
attention-getting COLOR-GLO
packs, and Showcard

and SELL

in the big new market
of semi-permanent
hair colouring

Retail price 4/6 per bottle. Trade price 22/6 per dozen plus 90% tax.

Color-Glo

SEMI-PERMANENT HAIR COLOURING

The effects last through 6 to 8 shampoos

GOLDEN LIMITED 7 GROSVENOR STREET, W.1. Telephone: Hyde Park 1671/6

Republic of Ireland enquiries to: Lilmar Pharmaceuticals Limited, Santry, Dublin · A creation of L'OREAL · PARIS



SETTING A STANDARD

is both a privilege & a responsibility

It is recognized that the U.M.P. standard of service, quality and technical development is second to none. It does, in fact, set the pace. This is the reason why discriminating buyers prefer



*For Tubes
and Plastics*

UNIVERSAL METAL PRODUCTS LTD.

SALFORD 6 LANCs.

Telephone: PENDLETON 4444

LONDON OFFICE: ARGYLE HOUSE, 29/31. EUSTON ROAD. N.W.1. TEL. TERMINUS 2073

Here's the **PLASTER BONUS SCHEME** you're waiting for

Taylor's 1958 Bonus Scheme



**EXCELLENT
PRODUCTS
that bring
repeat
business**

FLEXIBLE ORDERS

Choose your own parcel to be made up from Taylor's or Flexoplast products.

GENEROUS BONUS TERMS

	QUANTITY DISCOUNT	DISPLAY BONUS
Order of £3 to £6	3½% plus	5%
„ „ £6 to £15	5% „	5%
„ „ £15 & over	7½% „	5%

APRIL - MAY - JUNE

**REGULAR
ADVERTISING
IN NATIONAL
NEWSPAPERS**



Send your Order today to your usual Wholesale supplier

EDWARD TAYLOR LTD., MONTON, ECCLES, MANCHESTER

T.F. 205

Announcing...

HUFFER & SMITH LTD

FINE CHEMICAL DIVISION OF C. F. GERHARDT LTD.

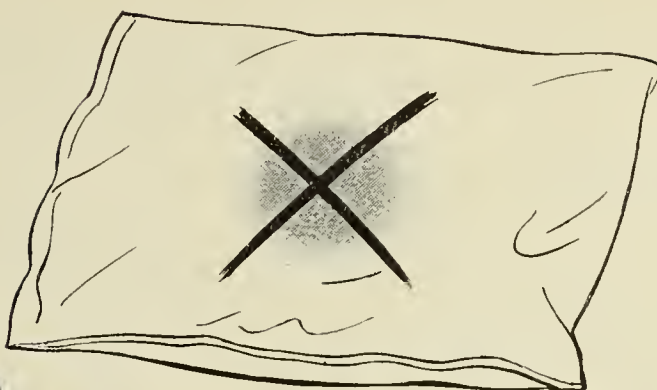
Now in full production...

ALUMINIUM GLYCINATE • CHLORAL HYDRATE
AMINOPHYLLINE • POTASSIUM IODIDE
PIPERAZINE SALTS • CITRATES

SOLE U.K. AGENTS FOR SIEGFRIED LTD

AMIDOPYRIN • BARBITURATES • BENZOCAIN • NIKETHAMIDE

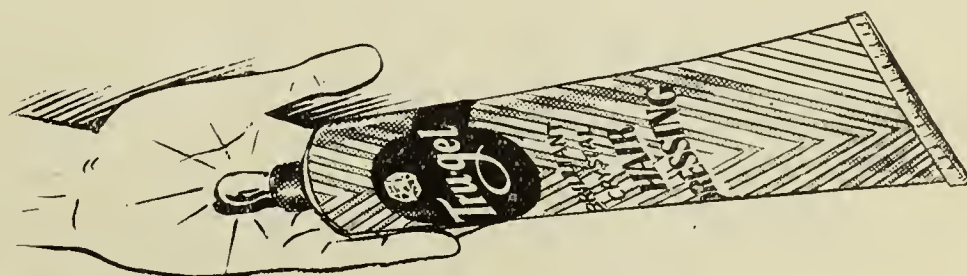
HUFFER & SMITH LTD., NEW ERA WORKS, PURLEY WAY, CROYDON, SURREY
Telephone: THOrnton Heath 4266 Cables: SANTONINIC, CROYDON



Tru-gel is on T.V. again

For the next two months—and again in July—Tru-gel will be heavily advertised on T.V. Tru-gel commercials are now appearing regularly on the screens of viewers in the London, Midlands, Lancashire, Yorkshire and Scottish areas.

These T.V. commercials feature the non-staining properties of Tru-gel, its cleanliness, and its economy. They are creating a steadily increasing demand for Tru-gel. Have you got a Tru-gel display card? If not, ask our representative for one next time he calls.



Tru-gel

**the Hair Dressing that
does not stain**

E. GRIFFITHS HUGHES LTD., MANCHESTER

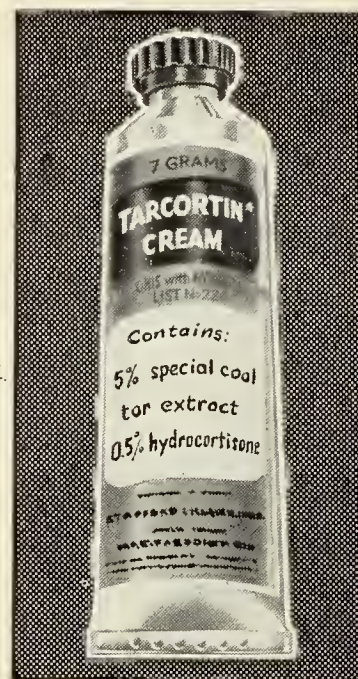
**A new powerful synergistic
combination**

**TARCORTIN
CREAM**

For sub-acute and refractory
skin affections

Treatment of sub-acute and refractory skin affections can now be considerably enhanced by combining tar, an established germicide, stimulus and anti-pruritic, with hydrocortisone as in TARCORTIN. Together, the medicaments have pronounced advantages over either one alone.

TARCORTIN CREAM is non-greasy, stainless and hydrophilic and is supplied in 7 gm. and 15 gm. tubes containing 0.5% Hydrocortisone in a special coal-tar extract.



STAFFORD - MILLER LIMITED

Manufacturing Chemists
HATFIELD • HERTS • ENGLAND

This Summer

stick

to this quick selling line

Sells to
public at **3d**

To Retailers: Under 3 gross 27/- per gross
3 gross & over 24/- per gross

Order now from your usual wholesale supplier

or direct from:— **KAY BROTHERS LTD**
REDDISH, STOCKPORT

Absolutely sure way to catch flies • Holds them fast for good • Guaranteed to remain fresh while stored • In eye-catching display boxes of 3 & 6 dozen • Quick turnover line

Honeypot
flycatchers





This is a girl who loves a man who loves

You can see he has taste; he uses Corvette. And she likes him because he freshens up each morning (and stays fresh) with Corvette After-Shave. "Keep a bottle in my desk too" he says, "freshens me up when I'm feeling frayed." What's he got that *you* haven't got? CORVETTE. MADE BY GOYA
CORVETTE AFTER-SHAVE REGULAR OR ELECTRIC 3/9



You will sell more CERTO this season...

FOR PERFECT HOME-MADE JAM!

CERTO
SETS JAM

Use **CERTO** -
for certain set
and better flavour

CERTO
SETS JAM

Special seasonal bonus!

There's an extra seasonal bonus if you order right away. Get in touch with your Bird's salesman or usual wholesaler now.

... Because there is attractive new display material for Certo—to tie in with our advertising in the jam-making season.

Compelling new advertisements for Certo, appearing in WOMAN, WOMAN'S OWN, GOOD HOUSEKEEPING and many other magazines.

There will be widespread editorial support for Certo in magazines and newspapers all over the country.

Remember there is no other product like Certo. It is concentrated fruit pectin. When jam is made the Certo short-boil way, it sets better, tastes better, and there's MORE JAM.



The Perfect Pack for Display.

Available in sizes :—

1, 2, 2½, 3, 4, 5, 6, 8, 10, 12
and 16 oz.

Caps: Black, White or Red Plastic,
White Enamelled Metal.

"The Sign of a



Good Bottle"

BEATSON, CLARK & CO. LTD
GLASS BOTTLE MANUFACTURERS
ROTHERHAM Established 1751 YORKS

BC88



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and
all sections of the drug, pharmaceutical and
fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland
and the Pharmaceutical Society of Northern Ireland*

Volume 169

April 19, 1958

No. 4078

CONTENTS

A New "Martindale" ...	430
Born 1820—Now no More ...	426
Branch Representatives' Motions ...	425
Budget Purchase-tax Cuts ...	421
Council Election Candidates ...	427
Education and Law ...	436
Fifty Years Ago ...	432
Leading Articles:—	
One Man's Meat ...	429
Signs of Promise ...	429
A Manufacturer Defends Himself	429
Newest Pharmaceutical Factory ...	420
"Open Shop" ...	432
Organic Compounds of Tin ...	436
Pharmaceutical Society of Ireland:	
Council Meeting ...	434
Pharmaceutical Society of Northern	
Ireland: Council Meeting ...	433
Topical Reflections ...	419
Views on Merger ...	422
Business Changes ...	422
C. & D. Retail Price List	442
Coming Events ...	441
Company News ...	422
Correspondence ...	435
Deaths ...	423
Inquests ...	428
Legal Reports ...	423
Local Officers ...	419
Medical Abstracts ...	431
New Products ...	424
Overseas Visits ...	422
P.A.T.A. ...	425
Personalities ...	423
Price Changes ...	442
Print and Publicity ...	442
Trade Marks ...	441
Trade Notes ...	424
Trade Report ...	439
World Trade ...	441

INDEX TO ADVERTISERS, Pp. 5 & 6.

Classified Advertisements, p. 52.

PUBLISHED BY
MORGAN BROTHERS (PUBLISHERS), LTD.,
at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

Branch Offices:
WOLVERHAMPTON: 89 Woodland Avenue, Tettenhall Wood.
GLASGOW: 160 Nether Auldhouse Road, S.3. Phone: Langside 2679.
LEEDS: 16; 32 Wyntord Rise, West Park. Phone: Leeds 67 8438.

ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and
Year Book, £2 10s. Single copies one shilling each.

For the treatment of coughs
'ROMILAR'
in three forms

'ROMILAR' Syrup

dextromethorphan
hydrobromide
15 mg. in each 5 c.c.

BOTTLES OF 100 c.c. AND 500 c.c.

'ROMILAR' Tablets

dextromethorphan .
hydrobromide
15 mg. in in each tablet.

PACKINGS OF 20, 100 AND 200.

FOR USELESS COUGH

and for habit cough following whooping cough, measles and bronchitis. It is particularly useful for the suppression of cough when the patient is seriously ill and in need of sleep ; in the advanced stages of pulmonary tuberculosis and in congestive cardiac failure. It can also be of great benefit for suppressing cough caused by reflex irritation such as is associated with tumour of the lung, larynx or mediastinum.

'ROMILAR'
Expectorans

dextromethorphan
hydrobromide 15 mg.
Ammonium chloride
300 mg. in each 5 c.c.

BOTTLES OF 100 c.c. AND 500 c.c.

FOR PRODUCTIVE COUGH

In infections of the respiratory tract, particularly when there is secretion of thick tenacious sputum, 'Romilar' Expectorans can be given to increase the flow of mucus, thus liquefying the secretion and making expectoration easier.

ROCHE PRODUCTS LIMITED • 15 MANCHESTER SQUARE • LONDON W.1

WELLCOME INSTITU
LIBRARY

Coll. WelMOMec

Coll.

No.

The CHEMIST AND DRUGGIST

Volume 169

APRIL 19, 1958

No. 4078

Record Prices for Drug Jars

"AUCTION HYSTERIA" AT SOTHEBY'S

FOR a Lambeth Delft drug jar auctioned at Sotheby's in London on April 15 a price of £490 was paid by a dealer. Another jar fetched £410, and even jars with, in the view of experts, no special merit, changed hands at prices much above recent levels.

Peak price (£490) was for an 11-in. Lambeth Delft baluster vase bearing the arms of the Apothecaries' Company and of the City of London and decorated "in the Chinese taste" with insects, birds and flowers. The runner-up, at £410, was an even larger jar catalogued as "painted on one side with the arms of the Apothecaries' Company and on the reverse with a label inscribed 'E: DIASCORDIU,' on which are set a basket of fruit and two birds perched among fern fronds, on either side of the basket the date 1724, beneath the cartouche a winged cherub's head and single tassel, with peacock feather festoons."

Three pieces that were illustrated in an article by Miss Agnes Lothian in the 1954 Annual Special Issue of THE CHEMIST AND DRUGGIST fetched £80, £52 and £30 respectively. They were a Bristol jar only 3½ in. high bearing a cherub's head and the inscription EXT. RUTÆ; a 7½-in. jar believed unique in being labelled for "oil of puppydogs"; and a spouted jar bearing the rare inscription O: EXCESTREN (oil of Exeter). £125 was paid for a pill slab and £230 for a set of nine miscellaneous Lambeth drug jars of the early eighteenth century. A number of pharmacists in the saleroom appeared dismayed that the bidding was so much above their expectations, though a pharmacist was the successful bidder for an early ointment jar which, with another inscribed "Pomade Divine," went for a comparatively modest sum.

Retail Wages Reviewed

PHARMACEUTICAL EMPLOYEES MEET

THE wages position in retail pharmacy was under review at a recent meeting of the national advisory committee of the Association of Pharmaceutical Employees. General criticism was levelled at the prevailing rates provided in the retail pharmacy Joint Industrial Council agreement and by unanimous decision it was determined to put forward applications for increases on the rates of 20s. for branch managers and managers, 20s. for qualified staff and 15s. unqualified dispensing staff. The rates for shop staffs were also con-

sidered to be in need of review. The rates contained in the retail co-operative pharmacy and optical agreement were also considered in detail and the decision taken to apply for increases corresponding to those applicable to the retail pharmacy J.I.C. application. Among other matters discussed was a report of developments which had taken place in connection with the proposals for amending the Shops Acts. Concern was expressed by members of the committee at the reported action of representatives of the Pharmaceutical Society in joining with the National Pharmaceutical Union in representations to the Home Office in which amendments were reported to have been sought to the Bill as it then stood that affected directly the interests of employee pharmacists. The correspondence with the Society, in which exception was taken to the action of the Society and to the absence of any consultation with the Association of Pharmaceutical Employees as the recognised employee-pharmacist organisation, was

read. It was reported that complaints had been received from members of the Association in various parts of the country, the point being frequently made that the Society had equal obligations to employee as well as employer pharmacists. The broadening of representation on the committee was welcomed in that each of the union's territorial divisions was now directly represented, with the composition of the committee twelve qualified members and two unqualified members, together with the union's national officer for retail pharmacy.

Public Pharmacists

DATE FOR COUNCIL NOMINATIONS

NOMINATIONS for the council of the Guild of Public Pharmacists should be received by the secretary (Mr. S. Powlson, 105A Albemarle Road, Beckenham, Kent) by May 3. The results of the election are to be announced at the annual meeting at the Apothecaries' Hall, London, on May 31. The meeting is to be preceded by the presentation of the Evans medals and by a symposium on "Sterile Solutions" to be opened by Messrs. C. H. Sykes and T. D. Whittet.

Open-chain Ureides

A MANUFACTURER REACTS TO ATTACK

RETAIL pharmacists throughout the country have been circularised by Persomnia, Ltd., 2 The Green, Richmond,



ABERDEEN STUDENTS AT GREENFORD: Members of the Aberdeen Branch of the British Pharmaceutical Students' Association visited the works of Glaxo Laboratories, Ltd., Greenford, Middlesex, recently, and are here seen in the pharmacy unit. The students were shown two films, "Defence Against Poliomyelitis" and "Longer Life for B.C.G."

Surrey, with a statement countering recent adverse publicity in the *Sunday Pictorial* concerning carbromal and bromvaletone, the active constituents of Persomnia. The company point out that the two open-chain ureides concerned were examined on behalf of the Poisons Board in 1937 and again in 1955 and given on both occasions a "clean bill of health." The two compounds, state Messrs. Persomnia, are mild sedatives, not related to the new tranquillising drugs which the Pharmaceutical Society recommended should not be displayed and sold except on medical prescription. They have been known for at least fifty years, and Persomnia as such has been on the market for fifteen years in this country and overseas. The safety factor for carbromal and bromvaletone, and in particular for Persomnia, is claimed greater than that of aspirin, and recoveries after doses of up to gr. 600 have been recorded. In England and Wales in 1951-55, out of 4,790 deaths by suicide and accident with solids and liquids, 2,492 were from barbiturates, 754 from aspirin and only four from Persomnia which, the makers point out, is not a drug of addiction. Reporting officially on carbromal and bromvaletone in 1956 to an independent organisation, the late Dr. G. Roche Lynch, Home Office analyst, stated:

I have not the slightest doubt that both drugs are far less toxic than the barbiturates, and I can see no possible reason for putting them on the Poison Schedule. If a determined suicide takes enormous quantities that is no argument against what I have just said. It is, after all, easier to commit suicide with aspirin, which is freely available, or with coal gas. We know of no toxic symptoms likely to arise from taking the normal amount of one or the other drug, and even the depressing effect which one finds in most soporifics is minimal when dealing with carbromal and bromvaletone.

The circular concludes with an offer to send complete factual evidence if required. Among the references to carbromal and bromvaletone quoted in the *dossier* is the B.P.C., 1954 and 1949. Twenty-four well-known preparations containing either carbromal or bromvaletone or both and obtainable as an over-the-counter transaction are listed.

Chemists Federation

MONTHLY MEETING OF COUNCIL

A MEETING of the Chemists Federation council was held on April 3, the president (Mr. F. E. Mellor) in the chair. Meetings of committees were held on the previous day. An application by The British Drug Houses, Ltd., for reinstatement on the list of approved C.F. wholesalers was accepted.

The following application for wholesaler membership of the Federation was accepted:— Drivers Lee Green, Ltd., 27 Eltham Road, London, S.E.12. The following applications for addition to C.F. agreements were approved:— Bayer Products, Ltd. (Lenium); Pfizer, Ltd. (Sigmamycin syrup); Glaxo Laboratories, Ltd. (B.C.G. freeze-dried vaccine, influenza virus A (Asian) vaccine, Neomin, penicillin V (tablets and liquid); (predasin); Wigglesworth, Ltd.

(burn and scald cream, Glintee salve, antiseptic foot ease powder). A meeting of C.F. local action committee secretaries was arranged for April 13 at Cheltenham, Glos. A report was made of the work of the C.F. representative in Lancashire.

Polio Vaccine

BREAKDOWN IN SUPPLY

A BREAKDOWN in the supply of poliomyelitis vaccine is the result of a set of circumstances that have affected all three main sources of supply. The output of one British firm has had to be re-tested. The vaccine of the other could not be tested because of an outbreak of illness among the monkeys used. One million doses had been expected from Canada. But the Canadians needed half of them, and the other half did not come up to standard. The Ministry of Health said, on April 10: "These mishaps have made it impossible to keep up an even flow of vaccine. But ample supplies have been ordered and another batch is expected from America soon." The position at the moment is that unless vaccine becomes available soon it seems likely that nearly two million children and expectant mothers who have been registered will not receive protection before the summer. It is understood that a third British source of supply may soon be available.

Pharmaceutical Society

FINAL REPORT ON RESOLUTIONS

THE final report on resolutions passed at the Branch Representatives' meeting, 1957 (see C. & D., May 25, p. 564) was recently published by the Pharmaceutical Society. The report states that the resolution on the formation of a Pharmaceutical Corps in the Services was best dealt with by the proposals made by the Society to the Forces Medical and Dental Services Committee (Waverley Committee) for establishing pharmaceutical services in the Defence Forces on a satisfactory basis. The Council were asking the Government to implement the Waverley Committee's view that "systematic and continuous consultation between the Service authorities and the appropriate civilian bodies is essential." On the subject of post-graduate apprenticeship the Council have not accepted the detail contained in the resolution. The new conditions relating to practical training embodied in the recently approved regulations they believe will remove the objections against which the resolution was aimed. On the possibility of making provision within the framework of the Society for those in the research and manufacturing fields of industry holding a degree in pharmacy it is commented that it is the Council's intention to keep continually under review ways by which that might be done. As a result of considering the resolution on control of new products the Council have appointed a committee to make a preliminary survey of the problems which would arise in connection with any such possible control. While sympathising with the motive behind the resolution calling for a single organisation to

speak with authority for all pharmacists the Council are not satisfied that any useful purpose would be served by promoting an organisation of that kind. They are, however, prepared to convene a representative meeting of pharmaceutical organisations to consider any matter where combined action on behalf of pharmacy seems to be necessary.

Examination Results

SUCCESSFUL INTERMEDIATE CANDIDATES

THE following candidates satisfied the examiners in the Intermediate examination held by the Pharmaceutical Society in England and Wales in March:—

ALLEN, J. B., Sheffield; ARMITAGE, J. G., Wellingborough; BEBBINGTON, P., Warrington; BILLINGHAM, Maureen M., Birmingham; BIRD, Kathleen J., Ebbw Vale; BOWSKILL, D. E., King's Lynn; BRADBURY, D. P., Leicester; BRADSHAW, G. K., Doncaster; BROOKES, R. G., Dudley; BROWN, F. W., Brighton; CHAUHAN, I. D., Bloomsbury; CORNISH, R. H., Salisbury; DAY, Coral P., Bargoed; DOMINEY, Pauline A., Darley Abbey; EDWARDS, Elaine, Neath; EVANS, Rosemary O. L., Cardiff; FAY, Janet S., Bournemouth; FERGUSON, N. D. T., Stockport; FLETCHER, Margaret M. V., Plymouth; FREEMAN, Christine E., West Bromwich; FUNG, M. W., Hong Kong; GAINEY, Carole D., Swansea; GEDEN, K., Hampton Hill; GODFREY, R. M., Westcliff-on-Sea; GULLIVER, J. C. Owen, Ruislip; HARRIS, C. C., Liverpool; HARTLEY, B. H., Wolverhampton; HEATON, N. J., Wigan; HILL, P. J., Eastbourne; HOBBS, Jean I., Clacton-on-Sea; HOMAN, P. G., West Croydon; HOPKINS, C. W. M., Wimbledon; HOWELL, Nyda J., Liverpool; JONES, J. M., Rhondda; JUDSON, D. W., Walsall; KENNEDY, S. F., Bristol; KNOWLES, D. R., Brixham; LAKE, J. E., Hayes; LEE, Vivien O., Coventry; LILLINGTON, D. A., Bristol; LORENC, Christine D., Balham; LOVEYS, Judy A., Bodfari; MACDONALD, Margaret M., Cardiff; MANSFIELD, D. W., Manchester; MATTHEW, G. M. R., Rugby; MEALINGS, Suzanne M., Birmingham; MORRELL, Sheila M., Trentham; NEWBY, K. H., Dudley; PRYTERCH, R. D., West Bromwich; RAYNER, J., Northwich; READ, E. J., Swindon; REED, R., Dunblane; ROWLANDS, I. R., Newtown; SCOTT, R. A., Guildford; SHELLEY, A. J., Walsall; SISTER, Annette M., Liverpool; STEPHENS, B. H., Ledbury; STEWARD, D. J., Uppingham; TAYLOR, A. R., Merthyr Tydfil; WAY, J. A., Parkstone; WIDDECOMBE, D. T., Plymouth; WOOTTON, A. D. R., Sawbridgeworth; WRIGHT, A. P., Blackboys; WYLES, J., Newbridge.

The following candidates satisfied the examiners in the Intermediate examination in Scotland:—

BIRLEY, G. W., Nottingham; BOWLER, E. J., Sutton-in-Ashfield; BROADHEAD, Ann, Darlington; BROWN, P., South Shields; BRUNT, J. M., Draycott; CLARK, J. D., Darlington; FRANK, K., Ndola; HENDERSON, B. H., Liverpool; HIND, D., Sunderland; HOGG, K. W., Whitley Bay; JHINA, M. J., Edinburgh; LAMBERT, K., Dewsbury; LLOYD, N. M., Penygraig; MCKELLAR, Elizabeth J. C., Cowdenbeath; MCROBERTS, R., Glasgow; MILLAR, J. H., Dundee; NESTOR, Jeremiah M. P., Birkenhead; NOBLE, R. D., Edinburgh; OLSWANG, P. N., Sunderland; PATEL, M. D., Sunderland; PICKLES, Dorothy, Bradford; POL-

LOCK, Patricia A., Sunderland; POWER, M., South Shields; SMITH, G. H., Manchester; SPIBEY, Joan, Accrington; SUTCLIFFE, B., Oldham; TAYLOR, Jean H., Clitheroe; THOMAS, Irene M. P., Edinburgh; YARHAM, Gwendoline W., Herne Hill.

NEWS IN BRIEF

THE Health Service Contributions Bill was given a second reading in the House of Lords on April 15.

SUMMER time begins at 2 a.m. on Sunday, April 20. Clocks should be put forward one hour at close of business on April 19.

THE Minister of Health (Mr. Derek Walker-Smith) has appointed Mr. J. T. Woodlock to be his principal private secretary.

AUTHORITY to possess, supply or prescribe Dangerous Drugs has been withdrawn from Robert Ian Cranston Bradford, M.R.C.S.Eng., L.R.C.P.Lond., Cane Hill Hospital, Coulsdon, Surrey.

A TWENTY-SIX-month-old boy was pronounced out of danger in Trento, Northern Italy, on April 7, after being unconscious for five days. He swallowed ninety barbiturate tablets.

NEW Yorkers were on April 7 urged to have themselves vaccinated before the poliomyelitis season began. Dr. Leona Baumgartner (City Health Commissioner) said that when Salk vaccine could not be obtained everybody wanted it. Now it was available nobody wanted it.

APPLICATIONS are being invited by the Chemical Society, Burlington House, Piccadilly, London, W.1, for the Corday-Morgan medal and prize for 1957 (a silver medal and £210). Copies of the rules governing the award may be obtained from the general secretary of the Society.

THE need for unity among small shop owners to combat the challenge of large multiple stores was stressed by Mr. W. Ellis Clibbon (president, Kensington Chamber of Commerce) at its annual meeting held recently. "Fifty per cent. of the chemists in the country and 85 per cent. of the small bakers are being put out of business by those large stores," he said.

THE three women pharmacists chosen by the Pharmaceutical Society, in response to the invitation from the Union of Pharmaceutical Societies of Yugoslavia, are now working for one month in retail pharmacies in that country to allow them to compare Yugoslav practice with our own. Miss J. E. Dearing, Maidstone, is in Zagreb; Miss Betty S. Hughes, of the pharmaceutical department of Westminster Hospital, is in Belgrade; and Miss Margaret E. McClelland, of the pharmaceutical department of St. Bartholomew's Hospital, is in Ljubljana (see *C. & D.*, February 8, p. 147; January 25, p. 88 and February 1, p. 114).

LOCAL OFFICERS

PHARMACEUTICAL SOCIETY

Edinburgh. — *Chairman*, C. G. Drummond; *Vice-chairman*, J. B. Dunnett; *Secretary*, Eric Knott, 36 Craigleith Road, Edinburgh, 4.

CHEMISTS' GOLFING SOCIETY

London. — *President*, G. T. Morson; *Captain*, E. G. Nice; *Vice-captain*, W. N. Cockburn; *Secretary and Treasurer*, A. S. Jerwood.

TOPICAL REFLECTIONS

By Xrayser

Transferred

That repository of the despised and the rejected in drugs—the British Pharmaceutical Codex—is to provide eventide accommodation for those preparations pensioned off by the 1958 edition of the British Pharmacopœia. Whether the transfer is to be regarded as demotion or honourable retirement is a matter of opinion. The B.P.C. is not small either in size or in mind, for in the list published on p. 383 are preparations that have left the fold to enjoy a fleeting spell of glory in the Pharmacopœia, only to find themselves now out of favour with the Pharmacopœia Commission and, but for the forgiving nature of the Codex, homeless. One such is emulsion of cod-liver oil, the address of which has changed with a frequency that must have been the despair of the manufacturing house, if at the same time a source of joy to the label-printers. Honourable retirement it must surely be for such preparations as compound powder of liquorice, compound powder of rhubarb, and the Seidlitz powder in blue and white. (Who, by the way, ever asked in a pharmacy for a compound effervescent powder?) Though they are no longer granted official recognition, let no one suppose that all public demand for them will cease forthwith. Unlike the fate of the preparations mentioned, utter and complete pharmacopœial rejection has arrived for those panaceas of recent times the ointment and lozenges of penicillin, whose brief life is a testimony to the speed of development of more efficient remedies. With an all-embracing gesture the Codex accepts the lot, becoming in the process a necessary work of reference in the dispensing department. Ultimate rejection by the Codex surely spells oblivion!

An Old Balsam

The paragraph on p. 409 dealing with the balsam of Lucatella, as described in Cooke's book of surgery in 1647, is historically and pharmaceutically of great interest. It is not unusual for preparations of earlier times to present problems to the student of history, and the formula given by Cooke is no exception. It is likely that most of the ingredients mentioned are familiar to older pharmacists, but the reason for a small handful of tutsan is difficult to understand, since tutsan was a variety of St. John's wort, and the formula also contains oil of St. John's wort. There is, perhaps, no reason why that should not be, when one finds that oil of nutmeg and oil of mace were also present. The preparation found its way into the pharmacopœias, with considerable variations, balsam of Peru replacing the storax at a later date. There was also difference of opinion on the question of colouring matter, red sanders wood being replaced entirely by dragon's blood, which latter was considered to improve the colour and to "add to its balsamic virtues," though one comment in the eighteenth century suggested that, if colour was all that mattered, alkanet root was admirably suited for the purpose. Tutsan St. John's wort retained its reputation as a panacea as late as 1856, when it was said to be useful in hysteria, as well as acting as a styptic and a cure for fresh wounds. Varieties of the plant were used to dye wool.

Silence in Court

A report from the New World informs us that, through insisting on silence from a protesting counsel in court, the judge refreshed his parched throat with, instead of water, a tumblerful of a solution of Epsom salts which the muted counsel had placed on the table for the purpose of bathing a poisoned finger. The report states that the judge suffered no ill effects. One has come to accept all manner of strange stories from the United States, without even the formality of a grain or a pinch of salt (or salts), so that the news that the judge drank the Epsom salts need have occasioned little surprise. What did cause a raising of the eyebrows was that, in the country of antibiotics, counsel should have put his faith in such an old-fashioned treatment, excellent though it may be—or had he never heard of such products?



The two-story office and laboratory block as seen from the Gosport-Fareham Road.

BRITAIN'S NEWEST PHARMACEUTICAL FACTORY

Lederle Laboratories' £700,000 plant at Gosport

A PHARMACEUTICAL plant erected at Gosport, Hants, by the Lederle Laboratories division of Cyanamid of Great Britain, Ltd., at a cost of over £700,000, was officially opened by Sir Alexander Todd, F.R.S., on April 15.

The plant occupies a 16-acre site on the main Gosport-Fareham road. It comprises a single-story factory, a two-story office block and control laboratory, together with staff restaurant, reception area, electricity substation and tank farm.

The plant was designed in accordance with the highest standards of hygiene, and of atmosphere and humidity control. All air conditioning duct work and piping for steam, water, and electric power and other services for the pharmaceutical section are installed above a suspended ceiling, providing easy access for maintenance and alteration without hazard to the manufacturing operations. Surrounded by lawns, and employing 300 people, the plant was designed to blend with its background of Hampshire countryside. Its inauguration marks an important development in the growth of the British Cyanamid organisation. Replacing a factory at Hirwaun, South Wales—a building taken over and adapted for the manufacture of Lederle products in 1950 (the company has been in operation in Britain for over thirty years)—it is the first British "home" specially built for the company's needs. Its construction took only fifteen months, a speedy achievement based on pre-planning techniques operated by the builders, C.A.S. (Industrial Developments), Ltd. The plant has been in full production since January 1.

The single-story factory building houses plant for the final purification of Aureomycin and for its conversion into Achromycin, for the synthesis of Artane and Diamox, and for the preparation, packing and dispatch of pharmaceutical presentations of those specialities. Materials for use in the factory are received at the same location, separated only by a metal fence, as the finished products go from it. Before any goods received are fully accepted for use samples are collected, taken to the control laboratory and tested by physical, chemical and microbiological techniques. The sampling officer is notified whether the material is approved or rejected, and an appropriate label is affixed to every container inspected. Without a green label of approval

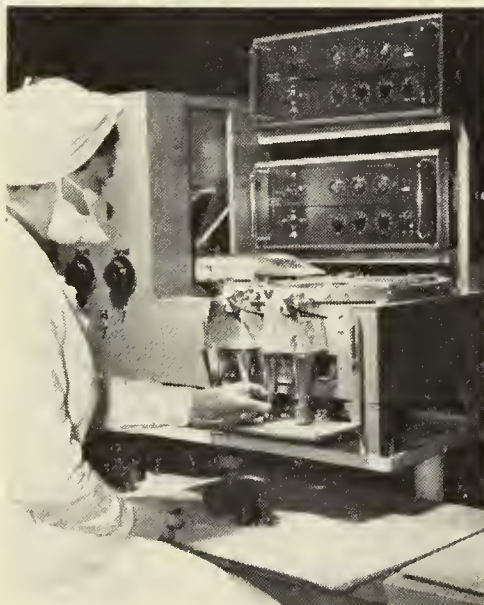
nothing reaches a manufacturing department. A microbiological testing section determines the actual biological activity of all antibiotics and vitamins, the method of testing involving the response of micro-organisms to the antibiotics manufactured in the plant.

In the Aureomycin refining plant the crude Aureomycin, manufactured elsewhere, is crystallised from selected solvents at a controlled pH. The purified crystals are recovered from the solution by centrifuge, washed with solvents and dried. A proportion is converted into Achromycin by dechlorination.

Artane preparation involves a five-stage synthesis in glass reactors and Diamox is synthesised in six stages, one

of which is chlorination, for which chlorine is received in 1-ton cylinders that are stored in an outside gas station and piped to the department for use.

One of the most spectacular operations in pharmaceutical manufacture is the encapsulation of powdered antibiotics on the only two machines of their kind in this country, with a combined capacity of 1 million capsules a day. The capsule is of soft-gelatin type, demanding a filling technique of great delicacy and precision. A rotating drum draws into pockets in its edge, by vacuum methods, weighed doses of the antibiotic and transfers them into pockets in a gelatin ribbon upon which



Top left: Accogel encapsulation machine specially designed and built by the company. Top right: Work in progress in the sterile room. Bottom left: One of the electronic batch counters in the packaging department, where, on four assembly lines, ointments, liquids, capsules and tablets are packaged. Bottom right: A section of one of the assembly lines.

is overlaid a similar ribbon in reverse, and printed with the company's name. From the two emerge, by appropriate pressure and cutting, the filled capsules. The gelatin ribbons are themselves made on the machine at the point of use by controlled flow of molten gelatin in two streams on to a drum of such diameter that after one rotation it has solidified into uniformly thin ribbons of the required width.

Previous preparation of the gelatin takes place in a gelatin preparation room, where specific colours are used for different types of capsules, and a flavouring added to render the product more palatable. The Accogel machine used is the result of development by the parent company. The capsules are dried in aluminium trays for about twelve hours at controlled temperature and humidity, float tested, inspected for rejects, coated to give improved physical appearance, and passed to bulk stores for assay.

In the preparation of ointments, fats taken from chemical stores are held in a hot room at 80°C. until liquefied. A proportion of the melted fats is pumped through stainless steel "dairy" piping into a premix tank, the remainder into the main blending tank, where it is held at 50°C. The active constituents, previously micromilled, are blended with the contents of the premix tank and the mixture passed through a colloid mill into the main blending tank below. The entire batch is then re-blended, piped to a holding tank, and sampled for assay.

The powders for the company's parent products are sterilised in bulk, using an ethylene oxide process. They are sampled, checked for sterility and filled out in measured doses into glass vials previously prepared. After rubber plugs have been inserted and aluminium seals applied the filled vials are also checked for sterility. The sterile area is subject to temperature and humidity control and frequent and exhaustive plate counts are made.

Packaging is done in a room housing four conveyor belts, one for liquids, one for ointments and the remaining two for capsules and tablets. Counting into containers is done by electronic batch counters. A laboratory assistant takes frequent samples for checking and a member of the packaging staff makes an independent check for count, weight, cap tightness and labelling.

In the functioning of the factory the plant services are of obvious importance. In one room are centralised services for the supply and distribution of chilled waters and compressed air. In the boiler room an oil-fired system is powered by two automatic boilers, each with an output of 6,000 lb. of steam per hour.

In his address of inauguration of the plant SIR ALEXANDER TODD (professor of organic chemistry, Cambridge University) said that organic chemistry emerged as an exact science just over 100 years ago and the organic chemical industry had its beginnings at virtually the same time. The constant interplay of the academic and the industrial was a great source of strength. Only during the present century had



Entrance and reception area.

nations come to realise that industrial progress rested primarily on the application of the results of scientific research. In Britain the whole economic future depended on it. The chemical industry had a striking record. Capital investment in the industry continued to be at a high level and productivity had risen from 184 to 200 since 1955 against a general index of industrial production of 138. It was surely no coincidence that the industry had also one of the highest rates of expenditure on

research and development. In the pharmaceutical sector it was frequently as high as 10 per cent. of turnover. The Lederle Laboratories division numbered among its triumphs contributions to vitamin and virus research and the antibiotic Aureomycin. It was a particular pleasure to record the friendly relations that had long existed between the company's scientists and their academic colleagues in this country, and the generous support the company had given to academic research.

BUDGET PURCHASE TAX CUTS

Cosmetics and photo goods affected

OF the proposals made by the Chancellor of the Exchequer in the Budget on April 15, reductions in the rates of purchase tax charged on perfumery, cosmetics and other toilet goods from 90 per cent. to 60 per cent. and on those photographic goods formerly charged at 60 per cent. to 30 per cent. were the most important affecting retail pharmacy. Other changes in the purchase tax schedules include the following:

Water filters designed to remove bacteria and other suspended impurities from drinking water by mechanical means, but not including filters also employing chemical reaction, are exempted tax.

Electric appliances previously charged at 60 per cent. are now chargeable at 30 per cent. Also chargeable at the rate of 30 per cent. are hair pins, hair grips, hair curlers, dress combs, hair slides and similar articles; toilet mirrors, toilet nippers and toilet knives.

The 90 per cent. rate on perfumed baby dusting powders is reduced to 30 per cent.

All the changes came into effect on April 16. Particulars are given in Notice No. 78N by the Customs and Excise Commissioners.

Other Budget proposals affecting industry are:

Profits tax: Instead of the 3 per cent. tax on undistributed profits and the 30 per cent. tax on distributed profits there will be a flat rate of 10 per cent. (from April 1).

Machinery: Initial allowances to be increased by a quarter to 25 per cent. for plant and machinery, and 12½ per cent. for industrial building.

Reactions to the Tax-rate Changes

Many retail chemists, while welcoming the long-term effects of the reduced tax rates, are incensed that the Chancellor should have collected tax from them which they will not be able to collect from customers.

MR. G. W. SCADDAN (G. W. Scaddan, Ltd., Reading) whose company has several large photographic and cosmetic departments, says they stand to lose "quite a lot." Next year's profits will certainly be affected. It is too early to say whether photographic sales will improve, but an increase in cosmetic sales is highly unlikely because customers do not usually buy more than they need.

MR. S. F. BODY (Body's Pharmacies, Ltd., Southend-on-Sea) considers that retailers are in effect being called upon to bear the tax loss twice over and that a progressive reduction over a period of years would have been much fairer. The "juggling" with tax rates, which have undergone rises as well as reductions in the past, has done more than anything else to cause much distress to retailers.

MR. H. G. MOSS (E. Moss, Ltd., Feltham) points out that no customer will be prepared to pay pre-Budget prices, so the retailer is bound to lose, especially on films and cameras, because the change comes without warning at a time when stocks are seasonally high. Simplification of the rates of tax will, however, bring benefit, particularly in reducing the tie-up of capital.

JONATHAN FALLOWFIELD, LTD., photographic wholesalers, consider that while the retailer will suffer hardship in varied degree at the start (in relation to stock held) the loss will soon be made good in increased sales.

COMPANY NEWS

Last year's figures in parentheses

SPA BRUSHES, LTD.—An ordinary dividend of 5 per cent. is announced for the year ended January 31 (same for 1956-57). Group net profit was £35,260 (against £38,987) before deducting £15,612 (£16,278) for tax.

SMITH KLINE & FRENCH LABORATORIES, LTD.—Mr. W. F. Hodson (head of the medical promotion division), and Dr. A. H. Ratcliffe (head of the research and development division) have been elected to the board.

BENGER'S, LTD., and BENGER LABORATORIES, LTD.—The formation of a new board of directors for the two companies is announced by Mr. B. D. Thornley (chairman and managing director). New members of the board are Mr. F. Fowler, F.P.S. (technical director), Mr. J. P. Sutton (company secretary) and Mr. C. R. B. Williamson (sales director). They join Mr. Thornley and Dr. L. Golberg (research director).

JEYES' SANITARY COMPOUNDS CO., LTD.—In the course of his statement circulated with the report and accounts, the chairman (Mr. T. Blundell Brown) said that the work of integration of the companies within the group had continued with beneficial results. Sales reached record figures showing an increase of 11½ per cent. over last year. General export business continued to expand and strenuous efforts are being made to establish markets for their products on the Continent in anticipation of the creation of the European Free Trade Area.

UNITED GLASS BOTTLE MANUFACTURERS, LTD.—Ordinary dividend is unchanged at 11¼ per cent. for the fifty-two weeks ended January 4. Group profits, before tax, fell from £1,218,350 for the previous fifty-three weeks' period to £1,004,896. An announcement states that demand for products in the closing weeks of the year was exceptionally high and sales for the year exceeded in quantity and value the 1956 totals, but this came too late fully to offset the very much reduced profits of the first half-year. So far as the current year has gone, it is added, orders and sales are encouraging and profits show a satisfactory increase over the corresponding 1957 period.

New Companies

P.C. = Private Company; R.O. = Registered Office

J. KENNEDY (CHEMIST), LTD. (P.C.)—Capital £3,000. To carry on the business of wholesale and retail chemists and druggists, opticians, etc. Directors: James Kennedy, M.P.S., and Kathleen Kennedy. R.O.: 14 Bayliss Parade, Stoke Poges Lane, Slough.

KENT'S CHEMISTS, LTD. (P.C.)—Capital £2,000. To acquire the business of a retail chemist carried on by Trevor Morley Rees, M.P.S., at Swansea, etc. Directors: Trevor M. Rees and Gherit E. Rees. R.O.: 45 St. Helens Road, Swansea.

B. F. CONSTABLE (CHEMISTS), LTD. (P.C.)—Capital £1,000. To carry

on the business of wholesale and retail chemists and druggists, chemical engineers, etc. Directors: Bernard F. Constable, M.P.S., and Jean Constable. R.O.: 2 Cooper Street, Manchester, 2.

J. M. TURNER (CHEMISTS), LTD. (P.C.)—Capital £500. To carry on the business of wholesale or retail chemists etc. Directors: Edith M. Turner, Maurice A. Turner and Christine R. Stein, M.P.S. R.O.: 85 Agincourt Road, London, N.W.3.

THOMAS HEY, LTD. (P.C.)—Capital £1,000. To acquire the goodwill of the business of a pharmacy carried on by the executrix of the late Thomas Hey at 19 Arundel Street, Mossley, Manchester, etc. Directors: James Hey, M.P.S., Ann E. Hey and Thomas Hey.

HANGER (CHEMISTS), LTD. (P.C.)—Capital £500. To carry on the business of chemists and druggists, etc. Directors: Neville R. Hanger, M.P.S., and Patricia M. Hanger, M.P.S. (directors, Meltorian Drug Co., Ltd.). R.O.: 5 Bowling Green Street, Leicester.

RUSHTON PHARMACIES, LTD. (P.C.)—Capital £15,000. To carry on the business of chemists, opticians, druggists, etc. Directors: Dora M. K. Rushton, Norman F. Rushton, M.P.S., and Arthur R. Mason. R.O.: 1088 Stratford Road, Hall Green, Birmingham, 28.

VIEWS ON MERGER

City editors at variance

DISCUSSING the offer made last week by Glaxo Laboratories, Ltd., for the share capital of Allen & Hanburys, Ltd. (C. & D., April 12, 389), city editors of the national Press expressed varied opinions as to the published terms. Whereas the *Financial Times* said "Ordinary shareholders of Allen & Hanburys must find the merger terms . . . impossible to resist" the *Daily Express* was much less enthusiastic saying: "Attractive though the Glaxo offer looks, A. & H. shareholders should not tumble over themselves to accept it. Let them have a close look at their last balance sheet. There they will see that for its £2,750,000 offer Glaxo will get control of net assets worth £2,117,000. Thus, for an outlay of £633,000, Glaxo will get control of properties valued at £1,500,000 in the balance sheet whose real worth is probably twice as much."

The *Daily Mail* said: "This is a take-over bid of the best kind. But the terms may well stagger the market. Compared with quite recent quotations Allen & Hanburys' shareholders will double their money — particularly if Glaxo shares are marked up in price today, as they probably will be." The writer in the *Manchester Guardian* thought that the price was a fair one and then generalised on the business of pharmaceutical manufacturers saying: "Manufacturing and selling medicines and drugs can be a very lucrative business. It is not likely to suffer much from a slight recession in industry; indeed the more people worry about slumps the more medicine they are likely to need. Glaxo is what Americans would call the perfect 'defensive' stock, which is why it yields under 4 per cent."

BUSINESS CHANGES

THE pharmacy at 6 Nith Place, Dumfries, is to trade under the names of the two partners, G. & N. Blount.

THE telephone number of Nealis Harrison, Ltd., Courtney Street, Hull, is now Hull 29182.

MR. GABRIEL GRIFFIN, M.P.S.I., has taken over Miss Mary P. O'Callaghan's pharmacy, 11 South Circular Road, Islandbridge, Dublin.

MR. JOHN J. HUNT, M.P.S.I., 5 The Brook, Enniskillen, has acquired the pharmacy of Mr. B. F. Miney, Main Street, Belturbet, co. Cavan.

COCKBURN & CO., LTD., have taken over the business of Mr. James Thain, M.P.S., 9 Merry Street, Motherwell.

THE business of Mr. A. M. Reid, M.P.S., 239 Main Street, Cambuslang, Lanarks, has been closed at that address and transferred to Mr. John Baxter, M.P.S., 242 Main Street.

THE business purchased recently by Mr. J. I. Cattaway, M.P.S., at Hanwell, London, W.7 (C. & D., April 12, p. 389), was that of F. G. Wells (Hanwell), Ltd., of which company Mr. Cattaway has been a co-director with Mr. Wells for the past three years.

Appointments

GENATOSAN, LTD., Loughborough, Leics, have appointed Mr. W. T. Austin - Clarke their chemists' representative in Birmingham and the adjacent areas of North Warwickshire and Staffordshire. Mr. Austin - Clarke succeeds Mr. E. V. Taylor, M.P.S., who, after sixteen years with the company, has now retired.



OVERSEAS VISITS

MR. M. J. SMITH (overseas trade director, Evans Medical Supplies, Ltd.) left London Airport on April 11 for New York on the first stage of a visit to Central America, Venezuela, Jamaica and Cuba. The object of his visit is to study conditions in those countries as they affect the pharmaceutical export trade of the United Kingdom. He returns on May 15.

MR. J. K. VAUGHAN-MORGAN (Minister of State, Board of Trade, and chairman of the Advisory Council on Middle East Trade) and MR. W. H. McFADZEAN (vice-chairman and industrial leader of the Council) are to visit Middle East countries during May and June. They will spend approximately two weeks touring Iraq and Iran together, and will both visit the Lebanon and the Persian Gulf. Mr. Vaughan-Morgan plans also to go to Jordan. The reports which they make to the Council on their return will help to guide it in planning its future work.



PRESENTATION TO DR. McCALL: Dr. D. McCall receives at the hands of Mr. J. Anderson, Dundee, a gift to mark the appreciation of members of the Pharmaceutical Standing Committee (Scotland) at his services as secretary. Also in the group are Sheriff T. Young, Airdrie; Mr. J. D. Mair, Glasgow; and Mr. T. W. Buchanan, Leven (vice-chairman).

SIR DAVID ECCLES (President of the Board of Trade), is leaving Britain on April 26 for a fortnight's visit to Venezuela, Trinidad and Brazil to stimulate increased interest in United Kingdom trade with those countries. During 1957 the United Kingdom imported more from than she exported to those countries. — Since the preliminary announcement of the visit was made Sir David has accepted an official invitation to visit Canada for two days on his way to South America. The visit coincides with the start of a Canadian tour by a U.K. Dollar Exports Council mission led by Sir William Rootes.

PERSONALITIES

MR. JAMES BURKE, M.P.S.I., D.Opt., 129 N. Main Street, Youghal, co. Cork, has been made a Peacc Commissioner of the Republic.

COUNCILLOR E. V. H. G. WHERRY, M.P.S., 24 Market Place, Brackley, Northants, is to be the new mayor of Brackley. Councillor Wherry's main recreations are motoring, flying, tennis and photography. He is at present being trained at Sywell, Northampton, for a private pilot's licence and hopes to pilot a plane over Brackley during his year of office.

MR. W. TALVAN REES, M.P.S., 152 High Street, Cheltenham, Glos, has been elected the new president of the Cheltenham Chamber of Commerce, of which he has been a member since 1938. Mr. Rees, who went to Cheltenham in 1938 to take over an old established pharmaceutical concern, has two shops in the town and one in the neighbouring village of Prestbury. He has just completed a year as president of the Chemists Federation, is a

past chairman of the National Pharmaceutical Union and a member of the Gloucestershire Pharmaceutical Committee. He was a member of Cheltenham town council from 1951 to 1954.

MR. H. J. LOYND (president of Parke, Davis & Co., Detroit, Michigan, U.S.A.) is visiting London during April at the conclusion of a tour involving six western European countries. Accompanied by two senior Parke-Davis executives, Dr. G. Rieveschl (scientific assistant to the president) and Mr. C. Johnson (director of public relations), he plans to begin his tour at Stockholm, with subsequent meetings in Copenhagen, Paris and Amsterdam. He is being joined in Amsterdam by Mr. W. R. Jeeves (director of overseas operations). The party is attending the opening of the Universal and International Exhibition in Brussels before flying to London on April 20. A pharmacist, Mr. Loynd graduated B.S. from the University of Utah and worked for a period in retail pharmacy.

MR. F. FOWLER, F.P.S., A.R.I.C., whose appointment to the board of Bengers, Ltd., and Bengers Laboratories, Ltd., is announced on p. 422, joined Messrs. Bengers in 1946. A Lancastrian by birth, Mr. Fowler was engaged in the production of synthetic drugs with British Schering, Ltd., during the 1939-45 war. **MR. C. R. B. WILLIAMSON**, at thirty-two, is the youngest of the three new directors. In 1945 he was a member of the Nutrition Survey Group which studied the nutritional status of the German population. He joined the Fisons Group of companies in 1946 as an assistant pharmacologist moving to Bengers in 1950 as a marketing executive. From 1954 to 1956 he was marketing and publicity manager

of Pfizer, Ltd., and then returned to Bengers as marketing controller. Mr. Williamson has been responsible for devising and directing a number of events in the pharmaceutical field including the first National Doctors' Hobbies exhibition organised by Messrs. Bengers and for instituting the Bengers awards for original observations in general practice. **MR. J. P. SUTTON** joined Genatosan, Ltd., in 1932, and qualified as a company accountant in 1938. During the war he received a commendation for meritorious service from the Commander-in-Chief, Middle East. Mr. Sutton re-joined Genatosan, Ltd., as assistant secretary in 1945 and was appointed secretary of Bengers, Ltd., and of Bengers Laboratories, Ltd., in 1950.

DEATHS

BLAKELY.—On April 2, Mr. Percy Lewis Blakely, M.P.S., Mayfield Road, Ryde, Isle of Wight, aged eighty. Until he retired in 1938 Mr. Blakely was in business at the George Street Pharmacy, Ryde, for over thirty years.

BUTLER.—On March 26, Mr. Herbert Butler, M.P.S., 127 Liverpool Road South, Maghull, Lancs, aged fifty-six. Mr. Butler qualified in 1927.

CROSSLEY.—On March 26, Mr. Allan Crossley, M.P.S., 48 Ullswater Road, Ashton, Preston, Lancs, aged forty-five. Mr. Crossley qualified in 1935.

FISHER.—On March 20, Mr. James Fisher, M.P.S., 9 Commercial Arcade, Guernsey. Mr. Fisher qualified in 1906.

FLYNN.—On April 7, Mr. Michael Flynn, M.P.S.I., Chapel Street, Rathdowney, Leix, Eire. Mr. Flynn, who was in his early forties, had been in business as a pharmacist in Rathdowney for well over a decade. He qualified in 1939.

MATTHIAS.—On April 1, Mr. Owen Gardiner Matthias. Mr. Matthias was manager of the overseas department of G. F. Gerhardt, Ltd., Purley Way, Croydon, for the past three years. He had been ill for over a year and a serious set-back a few weeks ago caused his retirement from business.

ROBERTS.—On March 25, Mr. Henry Trewren Thomas Roberts, M.P.S., Hawkhurst, Western Road, Abergavenny, Mon., aged eighty. Mr. Roberts qualified in 1899.

LEGAL REPORT

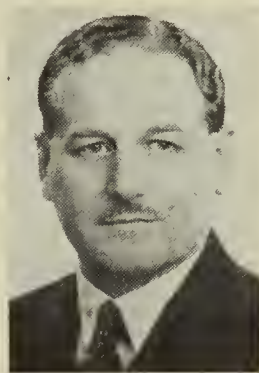
At London Sessions on April 13, Mrs. Helen Manderine Taylor, no settled address, pleaded guilty to breaking into the shop of Harvey & Co. (Chemists), Ltd., in Old Brompton Road, London, S.W.7, and stealing two packets of morphine sulphate, one bottle of morphine sulphate, 50 gr. cocaine, and other articles. She was placed on probation for two years. A condition was made that for twelve months she should reside where directed by the probation officer. The prosecution said Taylor had stated she was picked up in St. John's Wood at 2 a.m. by a woman who later broke the window and borrowed Taylor's coat to place over it. The woman passed out boxes of things. Afterwards Taylor climbed in to get the coat and severely cut herself.



Mr. C. R. B. Williamson.



Mr. F. Fowler.



Mr. J. P. Sutton.

NEW PRODUCTS

"Racing Red."—A new lipstick shade launched under that title by Coty (England), Ltd., 3 Stratford Place, London, W.1, in the Coty 24 range, is claimed to "glide on with creamy ease, keeping lips glowing with alive, lasting colour."

Pocket Torch.—The latest torch in the range available from the Ever Ready Co. (Gt. Britain), Ltd., Hercules Place, Holloway, London, N.7, is the Searchlight torch No. 3864P illustrated.



Of conventional appearance, the torch incorporates new features. It is fitted with a prefocus 3.6-volt, 5-amp. bulb which gives a 500-ft. white beam. The torch has a 3¼-in. head. It is individually cartoned and issued twenty-four to a corrugated container.

Nylon Feeding Bottle.—A new addition to the Halex range of nursery ware marketed by the Halex division of the British Xylonite Co., Ltd., Highams Park, London, E.4, is a transparent feeding bottle made of nylon. The bottle is light in weight, hygienic and, of course, unbreakable. It may be sterilised by boiling.

Heel Dressing and Travel Kit.—Dalmas, Ltd., Junior Street, Leicester, have launched two new products in the sundries field—Dalmoplast heel dressing and protector, a shaped antiseptic dressing issued three to a colourful envelope; and Dalmas first-aid travel-kit, a compact outfit containing emergency

dressings and medicaments in a neat hinged-lid canister, size 5 x 3½ x 1¼ in.

Cream Depilatory.—International Chemical Co., Ltd., 12 Chenies Street, London, W.1, are adding to their range of Anne French preparations Immac hair-removing cream. Based on a thio-glycollate, the product is claimed to be safe for depilating facial hairs. The cream is rose tinted and has a pleasant fragrance. It is applied with a specially shaped wooden spatula, allowed to remain on fine hair for four to six minutes or on coarse hair from six to ten minutes. It is then removed by washing with lukewarm water.

TRADE NOTES

Discontinued.—Smith & Nephew, Ltd., Welwyn Garden City, announce that they have discontinued issuing Paramisan sodium chocolate-coated granules.

Stainless Steel Weights.—H. M. Stanley (Scales and Weights), Ltd., Victoria Gardens, Burgess Hill, Sussex, announce that they have started manufacturing Apothecary weights in stainless steel.

Advance Notice.—Crosfields (CWG), Ltd., Liverpool Road, Warrington, Lancs, are notifying Persil stockists that "new Persil" is shortly replacing—at a new range of prices—the present product. The new product is not yet available for delivery, but orders for "old" Persil—at current prices—are still being accepted.

An Additional Size.—Radiol Chemicals, Ltd., 78 Upper Richmond Road, London, S.W.15, are marketing a new 2-oz. size of their Radian massage cream. The company's sales effort at the start is being concentrated on the "younger sporting element" by advertisements in sporting journals throughout the summer and direct mailing to cricket and athletic clubs.

Electric Shaver Repairs.—Herrmann's Dry Shaver Centre, 111 High Holborn, London, W.C.1, have opened a trade department specialising in speedy repairs, and with a quick, efficient repair service. The department is

backed by what is claimed to be "the world's most comprehensive stock of shaver spares"; 1,000 shavers and 100,000 spare parts are always in stock, and there are service facilities for 120 different varieties of dry shaver. New shavers or spare parts are dispatched immediately, and there is a same-day "turnround" on most postal repairs. Recently Messrs. Herrmann were appointed sole United Kingdom service agents for the American-made Schick shavers.

Comb "Server."—A display container for Stratton combs has been made available by Jarrett, Rainsford & Laughton, Ltd., Birmingham, 14.

Bonus Offers

NU-SAN, LTD. (distributors, DALMAS, LTD., Junior Street, Leicester). Burnojel. Thirteen invoiced as twelve. During next three months.

GLAXO LABORATORIES, LTD., Greenford, Middlesex. Glucodin and Farex. Three free cartons with order for 2-doz. parcel. April 21 to May 17.

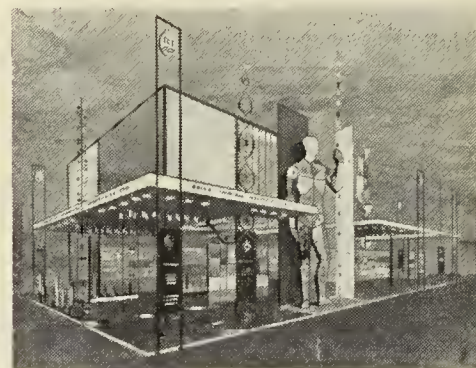
REXALL DRUG CO., LTD., Loughborough, Leics. Brewers' yeast tablets and flakes. Thirteen to doz. for each complete doz. Subject to fourteen days' display. Till May 31.

MANUFACTURERS' ACTIVITIES

Seventy Years' Unbroken Service.—The remarkable achievement of seventy years' unbroken service with the Bush group of companies was marked by a presentation at a luncheon given by the directors of W. J. Bush & Co., and Potter & Moore, Ltd., to Mr. Edward Ives on April 8. "Teddy" by which name Mr. Ives has always been affectionately known, entered the service of Messrs. Bush at 26 Artillery Lane, London, which was then the headquarters of the company, on April 8, 1888. He later served the company at their new headquarters at Ash Grove, Hackney, where he remained until his transfer to the associated company of Potter & Moore, Ltd., in 1929 as expedition manager, and now, in his eighty-fourth year, he is still able to undertake appropriate duties and his many friends wish him continued health and happiness.



UNIFORM SERIES: Display outers in uniform design and colour scheme for the three baby products of Southalls (Birmingham), Ltd., Charford Mills, Saltley, Birmingham (see *C. & D.*, March 22, p. 313).



AT BRUSSELS EXHIBITION: An impression of the Imperial Chemical Industries, Ltd., stand at Brussels international exhibition which opened on April 17. A "chemical man," symbolising the close links between the chemical industry and human life, dominates the approach. One part of the stand is a picture gallery of British chemical pioneers, whilst another shows products of the company's own research.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Price cutting still rampant in 1957

MOVING the adoption of the annual report at the annual meeting of the Proprietary Articles Trade Association, held in London on April 10, THE PRESIDENT (Mr. H. G. Moss) said that it was gratifying that, at the end of the first year of the working of Sections 24 and 25 of the Restrictive Trade Practices Act 1956, the number of manufacturer members of the Association was larger than in the preceding year. It seemed apparent that such members appreciated the services the P.A.T.A. was still able to render them. In both the Retail and Wholesale Sections the position was also satisfactory although a small proportion of the affiliated wholesale members had resigned during the year.

As to the Association's functions under the new procedure, the president emphasised the statement in the report that under its new rules the P.A.T.A. provided for manufacturer members an efficient organisation for looking after price maintenance interests. In dealing with cases of price cutting the P.A.T.A. had just as busy a time in 1957 as they had had under the old dispensation.

THE TREASURER (Mr. R. G. Dyas) said that at the end of the year the accounts showed a greater deficit than ever before. The Association had known a year ago that its expenses would be heavier, but it had not been felt expedient to make any changes until the end of 1957, when the Council approved an increase in subscription rates. The increased rates were beginning to show results, and it was anticipated that there would be a general improvement in the Association's financial position by the end of 1958. The annual report and financial statement were unanimously adopted and votes of thanks to the president, the secretary and staff were accorded.

Quarterly Meeting of Council

The quarterly meeting of the Council of the P.A.T.A. was held on April 10, the president (Mr. H. G. Moss) in the chair. After the president had welcomed Mr. H. G. Middleton and expressed pleasure at his recovery from a recent illness the council discussed the recommendations of a special committee regarding the format and contents of the P.A.T.A. List of Proprietaries which, it was hoped, would be published during the summer. Suggestions for effecting economies in the cost of production were submitted to the committee for consideration and adoption, if practicable. Council approval was given to the following report dealing with price maintenance: "After the first short period of uncertainty regarding the most appropriate method of taking action on behalf of and at the request of members in price maintenance matters, the administrative work of the Association in this sphere steadily increased, and is now quite as heavy as in the days preceding the 1956 Act. From January 1957 to date, hundreds of letters have been written to price cutters on behalf of many manufacturers who have requested the P.A.T.A. to act on their behalf. During the last twelve months over a 1,000 calls have

been made (covering many different parts of the country) by the Association's purchasing and investigating representatives.

"Although in some instances receipt by price-cutting traders of manufacturers' price lists or the P.A.T.A. List was not followed by adjustment of prices, there have been quite a number of instances in which receipt of these communications and/or a call from the Association's representative, in his capacity as the agent of a manufacturer, has been productive of good results. In any event those traders who are still selling below the prices fixed by the manufacturer have been served with notice of the manufacturer's price conditions, so that it will become more difficult for price cutters to maintain that they have not received notice of the manufacturer's price conditions at the time they acquired the goods. At the present time several members are actively considering instituting proceedings based on the evidence of purchases made by the Association's representatives on their behalf."

It was agreed that the next meeting of the sections and the full Council should be held on July 10.

Guests of Council

At the luncheon which preceded the council meeting Sir Edwin Herbert (immediate past president of the Law Society and chairman, Royal Commission on Local Government in Greater London), Mr. K. W. Richardson, M.P.S., and Mr. J. S. Gwatkin, were the personal guests of the president, who coupled their names with the toast.

In the course of his response, Sir Edwin said that, apart from his other

interests, he had been connected with the pharmaceutical business all his life and with the chemist's business which his father had founded in 1894 and of which he was now chairman. For as long as he could remember the P.A.T.A. had been a household word in his house, in the shop and in the business. Later experience had told him that an organisation such as the P.A.T.A. was absolutely essential in the pharmaceutical trade. He knew that such associations had their dangers, dangers which had been recognised by the Government in the Restrictive Trade Practices Act, 1956 which he thought was right in principle. He believed there were dangers in trade associations, but he did not think the members should shrink from assuming the onus of proving that it was in the public interest for their association to exist and for them to be members of it. He did not believe that an organisation which conducted itself properly had anything to fear from the Restrictive Trade Practices Act, or from a full, free and thorough examination by the Restrictive Practices Court. It seemed to him that the P.A.T.A. had other safeguards besides its built-in rectitude. Its constitution was one safeguard, because it represented the interests of manufacturers, wholesalers and retailers. The Association had been extremely wise to revise its constitution and objects in the light of the Restrictive Trade Practices Act, and it seemed to him that under the revised objects the P.A.T.A. had retained all the essential features and had avoided any phraseology that might attract unfair or hostile attention from the Government or any other quarter.

BRANCH REPRESENTATIVES' MOTIONS

Amendments included in agenda

SINCE the agenda for the Branch Representatives' meeting on May 15 was first published (see *C. & D.*, February 15, p. 178) several proposed amendments have been accepted for consideration. The motions concerned, together with amendments, are given below.

BIRMINGHAM

That Paragraph 18, (1), (i) of Section XIX of the Society's By-laws should either be deleted or amended by the addition of the words "or in a British Colony."

Amendment:

Omit the words "either" "deleted or" (thus making paragraph read "it is his bona fide intention upon registration to reside permanently in Great Britain or in a British Colony"). (*Thames Valley.*)

BLACKPOOL

That official drugs and preparations whose name or title is unwieldy should have an additional shorter title to encourage medical practitioners to prescribe by official title and thus give dispensers latitude to use any proprietary equivalent.

Amendments:

That all words after "official title" be deleted. (*Mansfield.*)

That the word "a" be substituted for the words "an additional," and that "and thus give dispensers latitude to use any proprietary equivalent" be deleted. (*Portsmouth.*)

EASTBOURNE

That the regulations of the Dangerous Drugs Act and Pharmacy Act are in need of clarification, as they are at present inadequate to deal with the position that arises when a medical practitioner has his Dangerous Drugs authority withdrawn and/or has his name removed from the Medical Register. That representations to that effect be made to the Home Office and the Poisons Board.

Amendment:

Add "and that complete lists of persons from whom authority has been withdrawn be published at frequent intervals in the Society's journal." (*Lancaster, Morecambe and Westmorland.*)

MANCHESTER AND SALFORD . .

That the Pharmaceutical Society

should take steps, after consultation with all appropriate bodies, to have published a list of strengths and quantities of schedule 4 preparations and antibiotics to be dispensed in all cases where the strength is not stated by the authorised prescriber. That list to be issued to doctors, dentists, veterinary surgeons and pharmacists.

Amendments:

That the Pharmaceutical Society should take steps, after consultation with all appropriate bodies, so to amend the schedule 4 poisons regulations that a pharmacist may, after consultation with the prescriber complete a schedule 4 prescription in cases where either the amount or the strength of the preparation has not been stated, such prescription to be duly endorsed by the pharmacist. (Birmingham.)

Add "In addition representation should be made to ensure that on prescriptions for schedule 4 poisons and for substances covered by the Therapeutic Substances Act, initialled endorsement by a pharmacist should be accepted as evidence of completion or modification of the prescription." (South East Metropolitan.)

NEWCASTLE AND NORTHUMBERLAND

That Rule 7 of the Code of Professional Conduct should be amended to read: "The dispensing of medicines should not be advertised. This applies not only to direct references to dispensing, but also to the use of general terms such as 'pharmaceutical services' and the term 'dispensing chemist,' provided that the term 'dispensing chemist' may be used simply as a personal description on the fascia or other appropriate position on a pharmacy, on labels or business stationery, in telephone or other directories."

Amendment:

Add "Similarly a notice stating that dispensing under the National Health Service is carried on there may be exhibited at any premises." (Newcastle and Northumberland.)

NORTH STAFFORDSHIRE

1. That the Council should resist to the utmost (a) any attempt to admit service trained dispensers or certified assistants to an apothecary under the Apothecaries' Act, 1815, to the Register of Pharmaceutical Chemists without conforming with the examination regulations in force at the time of application, (b) any attempts to register assistants in dispensing. Further that the Council should not enter into any agreements with any other body concerning the above without the approval of the annual meeting. 2. That the action of the Council is to be deplored in refusing fuller discussion of its educational policy requested by the National Pharmaceutical Union Executive and several Branches of the Society by using the instruments of procedure and abbreviated reportage in the Society's journal to force through an educational scheme which is not acceptable to members engaged in retail pharmacy. 3. That it is the opinion of this meeting that the Branch Secretaries' Meeting be requested to examine the

whole question of allocating Branch grants and be empowered to make any recommendations thought to be necessary.

Amendment:

That the following words be deleted "which is not acceptable to members engaged in retail pharmacy." (Portsmouth.)

BORN 1820—NOW, ALAS, NO MORE!

Passing of a pharmaceutical landmark at Southend

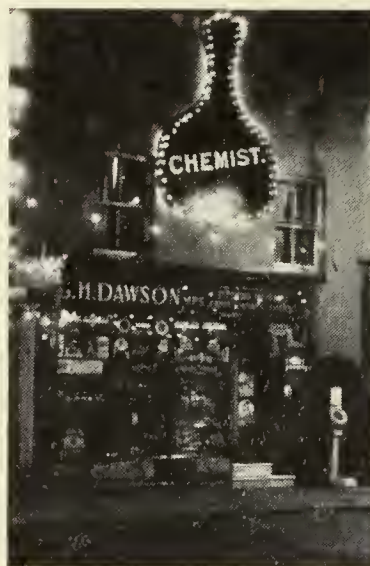
FOR 138 years there has been a pharmacy in the Marine Parade, not far from the foot of Pleasant Road, Southend-on-Sea, surviving tremendous changes in the size and character of that seaside resort, once the south end

N.H.S. STATISTICS

In ENGLAND during December 1957, 16,814,121 prescriptions (10,771,431 forms) were dispensed at an average cost of 72.91d. per prescription. During 1957 193,148,853 prescriptions (126,377,308 forms) were dispensed at a total cost of £56,580,877. Average cost per prescription was 70.31d.

Southend, and the father of the novelist Warwick Deeping. In those days the population of Southend was less than 10,000. It now approaches 160,000, swollen on many summer week-ends to a far greater figure. In the lower left-

hand illustration is seen the shopfront as it was immediately prior to 1927, with Mr. Dawson seen both in the pharmacy doorway and in the adjoining



THREE PHASES OF A PHARMACY: At left: Under an earlier proprietor, "J. Swift," some time after 1820. Below, left: Early in the present century, under the proprietorship of the late Mr. G. H. Dawson, M.P.S. Lower right: Interior at the same period. Upper right: In 1927, after installation of a new shopfront.



of the parish of Prittlewell. Last year the business was sold, and it has recently been learned that it is not to be reopened as a pharmacy. Under what name it was originally established is forgotten, but at the time the first picture of the quartet on this page was made (nobody knows when except by inference from the style of dress and type of transport) the proprietor was "J. Swift." For many years until his death in 1957 the owner was the late Mr. G. H. Dawson, by courtesy of whose widow the illustrations are here shown. Mr. Dawson qualified in 1903. His father, who was in practice before him, was at one time dispenser to Dr. Deeping, member of a one-time medical partnership in Warrior Square,

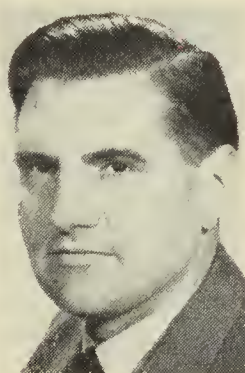
ing picture, behind his counter. In that year a new shopfront was installed by S. Maw, Son & Sons, Ltd., then at Aldersgate Street, London, and on the fascia was put the proud legend "Estd. 1820. The oldest chemist's business in Southend." The fourth illustration shows the pharmacy as a unit in the now famous "illuminations" of Southend. The giant carboy, outlined in electric lamps, was plainly visible from the end of Southend pier a mile and a quarter out from the shore, and must have been seen in its time by hundreds of thousands of holiday makers. Between High Street, Southend, and Eastern Esplanade, Thorpe Bay, there is now no pharmacy actually on the seafront.



Mr. S. Durham



Mr. W. T. Elder



Mr. K. Holland



Mr. M. Jackson



Mr. E. T. Kent

CANDIDATES FOR ELECTION TO THE COUNCIL

Their careers and policies outlined

THE following biographical details and statements of policy have, at the invitation of the Editor, been submitted by those seeking election to the Council of the Pharmaceutical Society on May 14:—

DURHAM, S.

RETAIL employee pharmacist. Qualified in 1933 after attending the Leeds College of Pharmacy. Secretary of Sheffield Branch of the Pharmaceutical Society since 1944. Chairman 1954-55 and 1955-56. Secretary of Sheffield Pharmaceutical Committee since 1946.

POLICY: I am firmly convinced that, in common with all the other professions, pharmacy should maintain the traditional direct service to members of the public, and should maintain it at the highest possible level of efficiency. It is the duty of the Society's Council to convince the majority of students entering pharmacy of their responsibility in this matter. The new academic training course is now an accomplished fact; but, as most people object to starving to death at the highest professional level, this must be augmented by a fairly comprehensive business training to compensate for the shortened apprenticeship. Drawing on personal experience obtained in many parts of the country, I feel that effective training in this important section could be provided in a comparatively short time, and that I have the key to such training. If elected to Council, I shall do everything possible to ensure that the general practitioner pharmacist of the future will be able to play his traditional part in the community in a way that will be satisfactory, personally, professionally and financially.

ELDER, W. T.

PROPRIETOR of two pharmacies, has been in business on own account for 31 years. After an apprenticeship with the late P. A. Abel, Inverurie, and service in the 1914-18 war, qualified in 1922. Member of the Pharmaceutical Society's Council for six years, has served on the following Committees: Publications, Law, Organisation, Public Services, and has served as chairman of the Ethical Committee for four years. Chairman of the local organising committee for the British Pharmaceutical Conference held at Aberdeen in 1955. A member of the Executive of the Scottish Department of the Society, a

past-president of the Aberdeen Pharmaceutical Association, secretary for eleven years of the Aberdeen and North-eastern Branch of the Pharmaceutical Society, secretary of the Aberdeen Local Pharmaceutical War Committee, a past-president of the Chemists Federation (and council member for ten years), and a past-chairman of the Scottish C.F. Committee, a member of the Executive of the Scottish Pharmaceutical Federation, a member of the Aberdeen Pharmaceutical Committee, a former member of the General Council of Panel Chemists and Standing Committee (Scotland), first secretary of the Tocher Medal Committee.

POLICY: During my association with various pharmaceutical organisations my policy has always been to maintain and raise the status of the pharmacist and his profession. Our professional standing is assessed by the appearance, atmosphere and conduct of the retail pharmacy or hospital dispensary. Few retail pharmacies can exist on dispensing alone, but I do submit that allied products stocked should be of the type which are worthy of a place in the pharmacy and will not lower the dignity of our profession. I support the Council's policy on education, but a watchful eye must be kept on the results of the one year of practical training. More information of the work of the Ethical Committee must be conveyed direct to every member in the form of practical notes and issued at frequent intervals. The status of the pharmaceutical profession depends on the education and ethical training of its members. I am of the opinion that more subjects relating to professional conduct in retail practice should be discussed at the British Pharmaceutical Conference. Meetings could be arranged to run concurrently with science sessions. The Council should continue its policy of close liaison with other pharmaceutical organisations. When a major change of policy is to be introduced it is most essential that the policy be explained and discussed with members at branch meetings before implementing the change. I strongly support the principle of the Chemists Federation and appreciate the work it is doing to maintain the standard of products stocked in the retail pharmacy. Much has been done for the pharmaceutical profession in the past, but the Council must continue to be

progressive and practical in its outlook. The standard of the retail pharmacy should always be kept under review. During my six years as a member of Council, I have found the work most interesting and shall be pleased to continue my efforts in making my contribution for the benefit of all pharmacists and secure for them a rightful place in the particular sphere in which they serve.

HOLLAND, K.

QUALIFIED in 1938 and, after a short period of hospital pharmacy, took up a retail managerial post until 1941 when commenced five years' service in the Royal Air Force. Granted a commission in 1943. From 1946 to 1949 representative in Essex for Pharmaceutical Specialities (May & Baker), Ltd. At present a director of Macarthy's, Ltd., and of Macarthy's (Wholesale Chemists), Ltd. A past-chairman and treasurer of the Romford and District Branch of the Pharmaceutical Society.

POLICY: Although I have had a rather varied career that includes experience in retail, manufacturing, military and hospital pharmacy, it was only during my three years of retail apprenticeship passed under the tutelage of a master who took his duties seriously, that I learned to regard myself as a member of that fraternity of special responsibility that is pharmacy. During recent years an idea seems to have gained ground in some quarters to the effect that our status and capabilities can only be raised by an almost exclusive emphasis on the academic part of our training. In my opinion professional responsibilities and day to day routine (to say nothing of business or administrative acumen!) can only be properly learned by a close association of the pupil with a practising member, working together in the day to day business of the latter. This type of practical training, taken before or during the period of academic studies, is a commonplace among other professions. It is natural for a student to feel that as soon as he has graduated he is already qualified in his profession and for him to take, therefore, a somewhat casual view of his post-graduate practical training. I feel that although this latter period, for a number of reasons may have to be retained, it is even now not too late for a method to be worked out which will not only increase the

total time of practical training, but will ensure that some of it at least is undertaken before graduation, or the grant of our Society's diploma. If I am elected I shall therefore work for a modification of the educational requirements so that students before proceeding to the final examination for diploma or degree will spend, compulsorily, a stated number of hours in retail pharmacy (whether in vacation times or otherwise) as part of their period of practical training. Although most of my time is taken up with the distribution of drugs and pharmaceuticals by wholesale, my work keeps me very much in touch with retail, hospital and manufacturing pharmacists alike. It is this association together with my experience in most sides of our profession that convinces me that pharmacy in all its aspects is our business.

JACKSON, M.

QUALIFIED in 1929 after training at Bradford Technical College. A proprietor pharmacist, Mr. Jackson has been a member of the committee of the Leeds and District Branch of the Pharmaceutical Society for twenty-one years and was chairman in 1946. He is a past-chairman of the Leeds Branch of the National Pharmaceutical Union and he is a member of the local Pharmaceutical Committee. Has served on the Pharmaceutical Society's Council for the past three years.

POLICY: I support the Council's educational policy emphasising we are preparing the pharmacists of the future to meet the future. We should endeavour to develop greater co-operation with the medical profession in view of common interest in the National Health Service. I regard the integrity of the profession as being of the utmost importance. I deplore the use by some manufacturers of methods of presentation of "ethical" products which represent a form of advertising to the public and reduce the status of the general practitioner in both medicine and pharmacy. I should like to see some co-operation from the pharmaceutical industry in eliminating many of the problems in general practice created by the rapid introduction of new ethicals and duplications. There is need for some control of new preparations so that they do represent an advance in medical treatment. I believe the Society's public relations could be further developed and thus enhance the status of our profession. If elected I would continue to do my best in the service of my profession.

KENT, E. T.

QUALIFIED 1922, after an apprenticeship with G. P. Fairman & Son, Ltd., Sunderland, and is now proprietor of that business. He spent six years with Brady & Martin, Ltd., Newcastle-upon-Tyne, in both the retail and manufacturing sides of the business, then two years with Southall Bros. & Barclay, Birmingham. Mr. Kent is a member of British National Formulary Committee; for the past eight years he has been a Governor of Sunderland Technical College, where there is a large school of pharmacy. He is a member of the local

committees of the National Pharmaceutical Union and the Branch of the Pharmaceutical Society. He was formerly a member of the Sunderland Borough Council and served on the following committees: Health, Mental Hospital and General Hospital Subcommittee.

POLICY: With my early experience of the wholesale and manufacturing branches of pharmacy, my knowledge of retail practice, including shipping, during the last twenty-five years, and my acquaintanceship with hospitals and hospital pharmacists, I think I can reasonably claim to be able to represent most sections of the profession. As a Governor of the Sunderland Technical College, I am in close touch with the teaching side. As I reflect upon the different branches of pharmacy—retail, hospital, manufacturing and wholesale—and the varying conditions of retail pharmacy from the small private to the large multiple concerns, I feel that the position of the pharmacist is insecure, because as a profession we are not united in one strong association. Whether elected or not, I shall continue to do my utmost to unite those different sections, for I am convinced that the younger members of our profession will need this unity in the coming years. I feel that the Council of the Pharmaceutical Society could play an important part in helping to solve this difficult problem, by bringing the various associations together and giving full co-operation. As an ex-service man, I would do my utmost to raise the status of the pharmacist in the Services. I am strongly in favour of the entire apprenticeship being served in one pharmacy, unless, of course, there is any reason for hardship. The poor attendances at the local Branch meetings is a matter of grave concern, for those meetings serve as a link between the Council and the ordinary members. Stimulus must be given to Branch meetings in order to attract more regular attendance, and I would suggest that the services of a full-time official be considered for that important matter. It is only from the criticisms of the members of the Branches that sound policies can be made.

MAPLETHORPE, C. W.

MANAGING director of Allen & Hanburys, Ltd., London, E.2. Mr. Maplethorpe qualified as a pharmaceutical chemist in 1922. Before being elected to the Pharmaceutical Society's Council in 1943, he was one of the Society's examiners in pharmaceutical chemistry. He is a member of the Poisons Board, chairman of the Education Committee of the Society's Council, of the Codex Revision Committee, of the Veterinary Codex Committee and of the Veterinary Committee. He is a past-chairman of the Hertford and District Branch of the Society. He is also a member of the Council of the School of Pharmacy, University of London and a Governor of the Chelsea College of Science and Technology.

POLICY: As is very well known, my major interest as a member of Council has been education and I have worked continuously and systematically for the progressive development of the profes-

sion through increased educational standards, because I am convinced that the social and economic status of pharmacy will depend more and more on the part which the individual pharmacist plays in his own community.

A sound educational basis is a reality which we have to accept if the profession is to maintain and enhance its reputation and if the pharmacist of the future is to look forward to a reward commensurate with his professional standing. Any further alterations in our educational standards or any attempt at long-term pharmaceutical planning must never be undertaken for its own sake. If education and planning are to succeed, they must serve pharmacy as a whole. Fundamental changes in pharmaceutical organisation and in retailing are taking place continuously and the Society, although acting solely as a professional body, must never ignore them. Retail pharmacy especially is likely to be confronted by increasing commercial competition in the future and while the Society should not concern itself with commercial matters as such, it has a duty to safeguard the professional and economic status of all its members in the light of ever changing economic conditions. It is for this reason that I believe education to be the most important aspect of the Society's work. In addition to my interest in the educational field, the Society's scientific publications and its work in connection with veterinary matters have been my more immediate concern. As a result of the good relationship now existing between the Society and the two main veterinary bodies, many of the problems affecting our two professions stand a better chance of being solved.

(Remainder next week)

INQUESTS

Could Not Smell Weed-killer.—At an inquest at Nottingham on Mrs. Ruth Edwards in January, it was stated that she had lost her sense of smell and took weed-killer thinking it was mineral water. A verdict of accidental death was recorded.

Pill Routine on One Consultation.—At an inquest at Keighley, Yorks, recently, on Mrs. M. H. Ireland, who collapsed and died at her home in Keighley on February 14, as the result of a coronary thrombosis, a witness who lived at Mrs. Ireland's home said that about five years ago she had complained of chest trouble and went to the doctor for some pills. Since then she had been taking them regularly without going to see the doctor again. Recording a verdict of death by natural causes, the coroner commented: "It does not seem a very wise practice to take pills as a matter of routine for five years without investigating whether they are necessary."



Mr. C. W. Maplethorpe

BUILDING for a better world



This is Lederle's new pharmaceutical plant at Gosport, Hampshire. It was inaugurated this week and is now in full production of well-known Lederle drugs that are helping doctors to conquer disease. From here come AUREOMYCIN* chlortetracycline and ACHROMYCIN† tetracycline—leaders among the antibiotics . . . LEDERCORT†—Lederle's new corticosteroid of great promise . . . LEDERKYN†—long-acting, low-dosage sulphonamide.

Lederle is a branch of the vast international Cyanamid organisation, and leadership in pharmaceutical research is but one of Cyanamid's contributions to a better world. In other fields too—industrial chemicals, plastics, agricultural products, food preservation, surgical products, etc. the latest news is often of another Cyanamid achievement that transmutes the hopes of yesterday into the realities of today.

*TRADEMARK †REGD. TRADEMARK



LEDERLE LABORATORIES DIVISION

Cyanamid OF GREAT BRITAIN LTD., London, W.C.2



ENAVID^{*}

BRAND OF NORETHYNODREL AND ETHYNYLOESTRADIOL 3-METHYL ETHER

For the specific control of menstrual irregularities

ENAVID, containing the new Searle steroid norethynodrel, permits *specific* and usually complete *control* of the menstrual cycle on *oral* administration and thus provides effective therapy for most menstrual irregularities.

ENAVID has strong progestational and a lesser oestrogenic activity on the endometrium, which stimulates its development to a secretory phase. It also inhibits the secretion of gonadotropins by the anterior pituitary gland.

SEARLE

ENAVID is therefore recommended for:

- **AMENORRHOEA** (Primary and Secondary)
- **OLIGOMENORRHOEA**
- **MENORRHAGIA**
- **METRORRHAGIA**
- **DYSMENORRHOEA**
- **PREMENSTRUAL TENSION** and the
- **"INADEQUATE LUTEAL PHASE"**

ENAVID is supplied as 10 mg. tablets in bottles of 20 and 50 tablets.

Detailed literature is available on request.

** Trade Mark.*

G. D. SEARLE & CO., LTD., HIGH WYCOMBE, BUCKS. Tel. High Wycombe 1770

EN : P117



The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

One Man's Meat. . . .

THE scaling-down of the higher rates of the purchase tax provided for in the 1958 Budget (p. 565) will be welcomed by consumers, particularly if no part of the saving is retained by the manufacturer to boost his basic price. Whilst the retail pharmacist should also have been in a position to welcome the change, he will find it extremely hard to do so because the tax-rate changes will cause him the loss of a considerable amount of money. Successive Governments have persistently refused to entertain any sort of refund on purchase tax paid, although industry has drawn up several operational plans for dealing fairly with the problem. On the last occasion that there was a major cut in purchase tax (in April 1953) the then Chancellor excused himself by saying that no equitable method had been found of compensating retailers for the losses on goods. We should have thought that, with the passage of five years, a fair and satisfactory scheme could have been agreed upon had the Government shown any desire to co-operate.

So far as the photographic department is concerned the reduction should give a boost to sales but the timing of the change is particularly unfortunate as it comes when most enterprising dealers have taken into stock the material they hope to sell during the coming season.

While untimely for the heavily-stocked retailer, the Budget is "meat and drink" to the City, the discriminatory profits tax being abolished and initial allowances on capital expenditure raised by a quarter.

Signs of Promise

THE Codex Revision Committee showed considerable foresight and imagination in recommending the Council of the Pharmaceutical Society (*C. & D.*, April 12, p. 408) to maintain a range of standard preparations for chemical assay processes. The Council must be given high marks for agreeing to do so. The practice of holding standard references for biological materials has found favour alike in relation to national standards in this country and in relation to international standards at an agreed world centre. The same reasons that influence acceptance of the policy in the biological field apply with equal force in other fields, of which chemical assay is one. Hitherto, whoever may have been aware of the need for a collection of standard chemicals for assay procedures has failed to suggest which public or voluntary body is the appropriate institution to shoulder the responsibility. The Codex Revision Committee having now suggested the Pharmaceutical

Society, most members will recognise at once that the obviously correct answer has been found. No body of people in the community is so vitally concerned with accuracy in assay procedures as are pharmacists, and as a corollary the instruction of pharmacists in chemistry has always had the purpose of qualifying them to handle with knowledge and understanding the actual concrete chemicals and drugs that embody reactive properties. The Council, apparently without previous knowledge that the suggestion was going to be made, rose nobly to the occasion and gave the right decision.

It is a pity, after having given that bouquet to the Council, that we have to criticise them for showing a much lesser degree of enlightenment in the matter of the museum of pharmacognosy specimens. We have urged (*C. & D.*, October 12, 1957, p. 407) steps to preserve, maintain and deploy the specimens themselves, and it would appear, from a recent advertisement in the official journal, that the Council has finally, after an unfortunate period of delay in which there has been risk of deterioration in the specimens, decided to do that much. But we further urged that the department should also engage in research. As with standards for chemical assay the Society is the obvious body to conduct such research, and unless it does so some extremely valuable work that needs doing is not likely to get done. We hope that another advertisement is in preparation offering a post to a research worker in the pharmacognosy field.

A Manufacturer Defends Himself

AN unusual development in public relations has been the sending out to pharmacists by the manufacturer of a proprietary medicine (see p. 417) of a counterblast to an attack made upon the product in a national Sunday newspaper. The manufacturers (Persomnia, Ltd.) have two legitimate grievances against the newspaper concerned—the first that their product (Persomnia) was singled out for attack under its proprietary name when, they say, its active constituents, carbromal and bromvaletone, are present in twenty-four other well-known preparations which they list. The second grievance is that the two drugs have twice been considered by the proper authority—the Poisons Board—and twice ruled inappropriate for scheduling in the Poisons List.

We hold no brief for bromvaletone and carbromal or any proprietary presentations of them and we recognise that no clearance given to a drug can be of the once-for-all kind. It may be that Persomnia, as indeed every other drug that the Poisons Board considers for scheduling, may need reconsideration even a third or fourth time in the light of facts new since the previous decision. If so, there are proper channels through which the subject may be reopened. The *Sunday Pictorial* is not one of them, except indirectly by the right of any ordinary citizen to try and get something done. We hope that, so far as chemists are concerned, no panic action is taken. If it is not sufficient that they have to act according to statutory requirements, also they receive "advice" on other matters from the Council of the Pharmaceutical Society, and it is advice that is backed by the threat of disciplinary action. Even outside those limits there may be objects on sale which individual pharmacists, for reasons of conscience, refuse to handle. Those three safeguards ought to be enough for the retail pharmacist to work to, without having to satisfy the rather haphazard criteria of the popular Press.

"MARTINDALE'S" 24th EDITION

A new Volume 1 of the Extra Pharmacopœia

T. D. WHITTET, B.Sc., F.P.S., F.R.I.C., D.B.A.

(Chief Pharmacist and Lecturer in Pharmacy, University College Hospital, London)

Pharmaceutical Press, 17 Bloomsbury Square, London.
W.C.1. $7\frac{1}{2} \times 4\frac{3}{4}$ in. Pp. xxx + 1695. 65s. (postage 2s.).

THE publication of a new edition of "Martindale" is probably of more direct practical importance to most pharmacists and medical practitioners than of the *Pharmacopœia* or *Codex*. The *Extra Pharmacopœia*, which originated partly from notes kept by William Martindale when he was pharmacist at University College Hospital and partly from his "dispensing memoranda" published in the *Pharmaceutical Journal*, has become an indispensable reference manual for the practising pharmacist and doctor. The new edition, twenty-fourth in the series, appears eighty-five years after the first.

In general style the book is similar to its predecessor but, as with the *Pharmacopœia* and *Codex*, its main titles are now in English instead of Latin, and doses are expressed in the metric system, the Imperial equivalents being added for such drugs as are frequently prescribed in that system. A slightly larger type size is now used for the abstracts, and that greatly improves legibility.

The preface states that the revisers have attempted to maintain the earlier editors' intention of "reducing to order and a manageable compass references to the outstanding original work and notable advances throughout the whole field of therapeutics." In that endeavour they have succeeded remarkably well and though the number of pages has had to be increased from 1374 to 1695 the volume is still surprisingly easy to handle.

The field of therapeutics covered by the book is enormous. Its contents are a strange mixture of traditional symptomatic drugs and modern specific remedies, but that is as it should be, since both types of medicaments are still widely prescribed.

The previous edition, which incorporated Squire's "Companion," included information on formulas of foreign origin. That policy has been extended in the new edition. Data from no fewer than nineteen pharmacopœias, as well as from the Indian Pharmaceutical Codex, the United States National Formulary and "New and Non-official Remedies," has been incorporated.

Much pharmaceutical information of vital importance to the practising pharmacist is included. Special attention has been given to details of stability and formulation, as well as to the usual physical properties of drugs, such as appearance and solubility. Such information, which is required frequently, is most valuable.

Of importance to doctors as well as pharmacists are the details of pharmacological and therapeutic information included in each monograph. The details given include toxic effects, antidotes and contraindications as well as actions and uses. The abstracts of original papers included under many monographs are brilliant examples of the art of concise abstracting. It is amazing how much information is given in a few sentences.

More information than in previous editions is given about proprietary drugs. The form and contents of such preparations are now listed at the end of monographs (instead of the proprietary name being given as a synonym after the main heading).

A new and useful feature is the inclusion of a list of names and addresses of many manufacturers of proprietary medicines. Prescribers are encouraged to use official titles, and are reminded that, when those titles are used, the

pharmacist is permitted to dispense any product he may have in stock that complies with the official description. That procedure may well avoid delay in dispensing a prescription, and should prevent much wastage of valuable drugs as dead stock.

More details are now given of formulas that are not now readily available, such as those from old editions of the B.P., B.P.C. and N.F., and from hospital and overseas pharmacopœias and formularies. That should add considerably to the usefulness of the book.

The general arrangement of the monographs of the main section, apart from the amendments mentioned, is closely similar to that of the previous edition. The policy is continued of including certain groups of drugs such as the antibiotics and immunological products as special sections at the end of the book. There is a new special section on radioactive isotopes.

New Substances

In addition to the new drugs introduced in the recent edition of the British *Pharmacopœia* and last year's Supplement to the *Codex*, many entirely new substances are described, some of which, though active drugs, have not yet achieved official recognition anywhere. The following are among the most important of those not in the B.P. or B.P.C.:—

ADRENOCORTICAL HORMONE: FLUODOCORTISONE, the most potent of the nine-halogen derivatives of hydrocortisone. It has an action similar to, but much more potent than, that of hydrocortisone and is mainly used externally.

ANTIBIOTICS: CYCLOSERINE, used in the treatment of tuberculosis; NOVIOICIN (Albamycin, Biotexin or Cathomycin) and OLEANDOMYCIN (Matromycin or Romicil), which might be regarded as "medium spectrum" antibiotics; NYSTATIN (Mycostatin) the first really effective antibiotic against fungi and yeasts; SPIRAMYCIN (Rovamycin), similar in range of activity to penicillin and erythromycin.

ANTICOAGULANTS: CYCLOCOUMAROL (Cumapyran), NICOUMALONE (Sinthron), PHENYLPROPYLHYDROXYCOUMARIN (Marcoumar) and WARFARIN SODIUM, all antiproteolytic types of anticoagulants similar to dicoumarol and phenindione.

ANTIDIABETIC DRUGS: CARBUTAMIDE and TOLBUTAMIDE (Rastinon), hypoglycæmic drugs used experimentally for the oral treatment of some cases of mild diabetes.

ANTI-HISTAMINES: BROMAZINE (Ambodryl), BUCLIZINE (Vibazine), HALOPYRAMINE (Synopen), THENALIDINE (Sandosten) and TRIPROLIDINE (Actidil), all used either for their anti-allergic or for their anti-emetic actions.

ANTI-HYPERTENSIVE DRUGS: CHLORISONDAMINE (Ecolid) and MECAMYLAMINE (Inversine) acting mainly as ganglion-blocking agents, and HYDRALLAZINE (Apresoline) acting on the central vasomotor areas.

ANTISPASMODICS: DICYCLOMINE (Mebentyl), DIPHEMANIL (Diphenatil), OXYPHENONIUM (Antrenyl), PENTHIENATE (Monodral), PROPANTHELINE (Pro-Banthine) and TRICYCLAMOL (Elorine and Lergine), all drugs with an anticholinergic action similar to that of atropine and used to relieve spasm of smooth muscle, especially of the gastrointestinal tract. They also reduce gastric secretion and some are used instead of atropine to produce mydriasis.

ANTI-NUCLEOTIC DRUGS: DEXTROMETHORPHAN (Romilar), CARBETAPENTANE (Toclase) and OXELADIN (Pectamol).

CENTRAL - NERVOUS - SYSTEM STIMULANTS: METHYL PHENIDATE (Ritalin) and PIPRADOL (Meratran) drugs similar to the amphetamine group in action but offering some advantages over those drugs.

CONTRAST MEDIA: PHENOBUTIODIL (Biliodyl) and IODIPAMIDE METHYLGLUCAMINE (Biligradin), used for cholecystography; SODIUM ACETRIZOATE (Diaginal) and SODIUM DIATRIZOATE (Hypaque and Urografen), used for pyelography and arteriography.

CYTOTONIC AGENTS: BUSULPHAN (Myleran), CHLORAMBUCIL (Leukeran), MERCAPTOPYRINE (Puri-nethol) and DEMECOLCINE (Colcemid), all used in the palliative treatment of various types of leukaemia.

DIURETICS: AMINOMETRADINE (Mictinc) a useful non-mercurial orally active diuretic and CHLOROMERODRIN (Merchloran) a mercury diuretic reasonably active by mouth.

HYPNOTICS: GLUTETHIMIDE (Doriden) and METHYPRYLONE (Noludar), mild, non-barbiturate hypnotics.

NARCOTIC ANTAGONISTS: BEMEGRIDE (Megimide) and AMIPHENAZOLE (Daptazole). The former was introduced as a specific barbiturate antagonist and the latter as an analeptic for simultaneous use with it. They are now both believed to be non-specific analeptics.

SYMPATHOMIMETIC AMINES: MEPHENTERMINE (Mephine) and METHOXAMINE (Vasoxine), used both systemically and locally as vasoconstrictors.

TRANQUILLISERS: AZACYCLONOL (Frenquel), BENACTYZINE (Cevanol, Lucidil, Nutinal or Suavitil), HYDROXYZINE (Atarax), MEPROBAMATE (Equanil, Mepavlon or Miltown), PECAZINE (Pacatal), and PROMAZINE (Sparine) used for their sedative and tranquillising actions, especially in psychoses.

VASODILATORS: NICOTINYL ALCOHOL (Ronicol), a peripheral vasodilator related to nicotinic acid and NYLIDRIN (Perdilatal), an exceptional drug in that it is related to ephedrine but has a vasodilator action instead of the usual vasoconstrictor action of sympathomimetic amines.

Other important additions include BISMUTH GLYCOLLYLARSENILATE (Milibis), an amoebicide; CHLORHEXIDINE (Hibitane) a bactericide; CHLOROTRIANISENE (Tace), an oestrogen with a prolonged action after oral administration; D PIPANONE (Pipadone), an analgesic related to methadone; HYDROXYDIONE (Viadril), an intravenous steroid anaesthetic; IRON-DEXTRAN (Imferon), an injection for intramuscular injection in the treatment of iron-deficiency anaemias; LIOTHYRONINE (Tertroxin), which is triiodothyronine, a thyroid hormone that will probably replace thyroxine; PHYTONADIONE (Konakion, Mephyton) synthetic vitamin K₁, which is more effective than acetomenaphthone and menaphthone in reversing the effects of the dicoumarol group of anticoagulants; PYRIDOSTIGMINE (Mestinon), an anticholinesterase with a prolonged action that is useful in the treatment of myasthenia gravis; SILICONES, used as protectives; several new sulphonamides such as SULPHAMETHIZOLE (Urolucosil), a powerful urinary antiseptic, SULPHAMETHOXYPYRIDAZINE (Lederkyn, Midicel) an effective sulphonamide with a lower dosage than the older compounds, SALICYLAZOSULPHAPYRIDINE (Salazopyrin) claimed to be one of the most effective sulphonamides in ulcerative colitis.

Deletions

To accommodate the mass of new information some omissions of drugs and curtailments of sections included in the previous volume have been essential to prevent the book from becoming unreasonably large.

The number of total deletions is small, however, for, as the preface points out, medicinal substances, once established, take a long time to become obsolete. Many of the less important drugs have been relegated to the Supplementary list. That feature of earlier editions, which has now been reintroduced gives brief descriptions of over 400 drugs considered to be of insufficient interest or importance for inclusion in the main list.

The short section on ligatures and sutures has been omitted, and the section on blood transfusion is being trans-

ferred to Volume 2. The special section on poisons legislation has been replaced by a most useful one entitled "Substances subject to Restrictions."

Special Sections

ANTIBIOTICS. The section on antibiotics has now been greatly extended and is divided into three parts. In the first the pharmaceutical and pharmacological properties of a wide range of antibiotics is described. It gives most valuable information about their physical properties, stabilities, dosage forms, and range of antibacterial activity, as well as details of absorption, excretion, action, toxic effects and contraindications. In the second part the use of those antibiotics in the treatment of specific diseases is discussed, whilst the third contains a list giving a suggested order of choice of antibiotics for the treatment of a number of infections.

In addition to the antibiotics already in the B.P. or B.P.C., the following are discussed, many in considerable detail:—CARBOMYCIN, FRAMYCETIN, FUMAGILLIN, GRAMICIDIN, PUROMYCIN, TYROTHRIN and VIOMYCIN.

IMMUNOLOGICAL PRODUCTS. With a few notable exceptions the importance of immunological products has declined, and the section has been shortened by the omission of general information on immunology and diseases. The section is now in three parts, dealing respectively with preparations producing active immunity, those producing passive immunity, and those used as diagnostic agents. The information given on each preparation is restricted to what is likely to be of interest to general practitioners and pharmacists. Special attention has been given to important preparations such as diphtheria, poliomyelitis, influenza, B.C.G. and whooping-cough vaccines.

RADIOACTIVE ISOTOPES. Several radioactive isotopes, such as those of gold, iodine, phosphorus and sodium are now being used in hospitals for diagnostic and therapeutic purposes. Though they are unlikely to be used in general practice in the near future, the section describes their uses, toxic effects, hazards, precautions and supply.

Other special sections include one summarising the changes introduced in the 1958 B.P., whilst the lists, abbreviations and therapeutic index have been extended. The general index contains nearly 20,000 entries and must add considerably to the value of the book.

In order to accommodate so many entries in a reasonable number of pages the compilers have introduced a three-column arrangement. The titles of preparations are included under the name of the drug and under the type of preparation.

There is no doubt that Martindale is the most useful reference book available on drugs, and Dr. Capper and his colleagues are to be congratulated on their excellent production. A special word of appreciation should be given to Mr. S. Ward who was secretary to the late Dr. W. H. Martindale and has been associated with the editorial work of the book for many years until his retirement on the completion of this volume.

MEDICAL ABSTRACTS

CARBUTAMIDE THERAPY IN CHILDREN

THE view that carbutamide (BZ55) has no place in the treatment of diabetes in childhood is supported by the results of studies undertaken by J. M. Smellie (*British Medical Journal*, 1958, 1, 553). Three children, aged 7, 11 and 11½ years, whose diabetes was of recent origin and who had little or no ketosis were stabilised by diet and insulin before introduction to carbutamide therapy. In two the hypoglycaemic action of carbutamide was associated with a reduction in glycosuria but only after high dosage levels were obtained. Evidence of ill-health of a non-specific nature, however, soon developed; it was presumed to be due to sulphonamide intoxication. Attention was focused on children in the hope that they might have some effective endogenous insulin.



"OPEN SHOP"

AN UNSCRIPTED COMMENTARY ON THE
SPECIAL PROBLEMS OF THE PHARMACIST
IN RETAIL PRACTICE

E. C. TENNER

WHAT shall I do about the five-shilling price-protected National Pharmaceutical Union hot-water bottle? Is it really going to be what it is stated to be intended for: a competitor with the lowest-priced bottles offered by our "chain" and other opposition? I have already seen a transparent wrapped size-3 bottle also costing 3s. 6d. and bearing a "Good Housekeeping" guarantee for which there is no recommended or protected retail price. During the winter now past (we hope), size-3 hot-water bottles have been sold in my locality at 4s. 6d. each. I cannot believe I shall not, next season, be competing with size-3 hot-water bottles retailed at a good deal less than 5s. So what on earth is the good of stocking-up with the N.P.U. bottle to capture the 4s. 6d. trade? Who has advised the N.P.U. on prices? Incidentally, what has happened to the powdered glucose promised during March, and will the Nucot and the paper bags materialise during April? Writing this on April the First makes me feel that, until now, our marketing experts are getting us nowhere at all at a very high speed indeed! But seriously, I am concerned that our marketing policy shall not be a half-baked puff-pastry affair. It has to be such as will inspire confidence in the wisdom of its creators, else we shall all become a laughing-stock. In this connection I have not yet heard voiced a logical defence of the deliberate omission of a fee for dispensing proprietary articles from the N.P.U. dispensing scale at a time when we are negotiating for an increased dispensing fee for dispensing proprietary articles under the National Health Service. I do not believe there is a defence for that retrograde act.

Not a Healthy Situation

It is proper at this time of year to give some thought to the Council of the Pharmaceutical Society. Seven of its members retire in May, and seven renewals or replacements will then be elected. In fact, most of the seven generally offer themselves successfully for re-election, and that happens because the nature of the election makes it difficult for new men or women to become known to enough of the pharmaceutical electorate—or those of them who use their votes—to break their way into the top seven. Names become familiar over the years and, though the policies supported by those names are largely unknown, all too often votes are cast merely for a familiar name and a new name is passed over. Again it is but a small minority of the Society that elects the Council, and that is not a really healthy situation. Yet, so long as Council debates are so briefly reported as they are, or held in (secret) committee, and so long as the voting records of individual members are kept secret, it is difficult to see how the number of votes cast will ever be increased. I firmly believe that the invariably low poll is due to the reluctance of intelligent men and women to cast their votes for persons about whose policies and outlook they know so little. I admit that full opportunity is given to candidates to put before the members of the Society a statement of their policies and aims, but only in exceptional cases in the past two decades have any Council candidates taken advantage of their opportunity to give a clear summary of their conceptions of what the future of pharmacy ought to be, and how that future should be successfully achieved. The boring repetitions of detailed scholastic and

business achievements, flatulent and platitudinous assertions that the candidate understands the problems of this or that branch of pharmacy and will work for the good of the profession—those are familiar to us all. Those of us who think assess them at their true worth—which is certainly not a cross on the voting paper. Some enterprising Branches of the Society, aware of the truth of that assertion, invite candidates for election to the Council to meet and address them and answer questions. Such meetings are of great interest and value. One does not have to listen long to make up one's mind about a candidate, and candidates can also learn a lot from such critical contacts with Brother Pill. And what *do* we want to know about a candidate?

We want to know if he can tell us the present position of the pharmaceutical ship, afloat on the troublous sea of our Welfare State; can he describe to us what harbour we ought to strive to come to, and on what course we should therefore steer? Or is he one who thinks the ship should be driven here and there by any wind that blows in peril of shipwreck on some chance rock? His views on education and on ethics will make clear how wide or how circumscribed is his conception. Is he one who will press for the freedom of detailed reporting of Council debates and voting in the pharmaceutical Press? Each year seven such councillors *could* be returned, pledged to support a resolution to give maximum information for publication to members of the Society. After two annual elections the resolution would be supported by at least fourteen out of twenty-one Council members.

A similarly progressive change could be effected, and just as quickly, by making certain that those returned to Council power are determined to overcome the obstacles that seem to hinder the Council from enforcing the observance of rota arrangements. We want to know if the candidate believes we should improve our "public relations" and make vigorous protests whenever health and medicine are publicly discussed in Press or radio without proper consultation with the Pharmaceutical Society, which is one of the organisations properly qualified to advise on those matters. We want to know if the candidate does accept and will work to achieve the ideal that all medicines should be manufactured and distributed only under the supervision of pharmacists.

By *not* returning such progressive candidates the voters can unfortunately only ensure that the pharmaceutical ship will drift aimlessly round and round. The *status-quo* cannot ever be preserved. The ship must either be steered to harbour or drift uselessly.

FIFTY YEARS AGO SETTING-UP ON UNDER £10

From the C. & D., April 25, 1908

I SAW in a provincial town what I thought to be a good opportunity of starting business for myself. My first lack was capital. I had only £8 or £10 in the bank, and little could be done with this. I therefore borrowed £100 at 6 per cent., to be repaid at the rate of 10s. per week in quarterly payments. I then interviewed the landlord of the empty shop, and took the premises for one year with the option of a lease at the end of that time. I next interviewed the representative of a good wholesale house dealing in most lines of the drug-trade, and frankly told them of my posi-

tion and history. The house willingly gave me credit and sent me £80 worth of goods without a cheque or mention of money. . . . Having bought stock and fixtures and being on the way for opening, I billed the neighbourhood well, showing "patents" at less than store prices, also a few common lines in drugs at cut rates. This proved to be a good thing, and my first week's business proved a success.

I took sufficient to pay myself a wage and all expenses—rent, rates, light, etc. I went on for a year gradually increasing and took £900 the first year, still pushing my own goods and showing and pushing only good paying lines. . . . Every year in which I have been in business since then I have done an increased business, and last year's returns were £2,400.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

Monthly meeting of Council

MR. G. E. McILHAGGER (president) was in the chair at the monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland held in Belfast on March 20. Also present were Professor E. B. C. Mayrs, Dr. R. G. R. Bacon, Messrs. W. H. Boyd, J. Gordon, J. Kerr, A. Templeton, J.P., F. R. Moore, J.P., H. F. Moore, W. S. Hall, W. J. Thornton, W. P. Ewart, J.P., C. A. Quinn, R. Gibson, O.B.E., J. Caldwell and W. Gorman (secretary). Apologies were received from Messrs. H. G. Campbell, S. E. Campbell, H. W. Gamble, O.B.E., P. R. W. Shinner, W. C. Tate and R. M. Watson.

MR. McILHAGGER said it was a pleasant duty to welcome Mr. John Gordon to the Council of the Society and it was to be hoped that Mr. Gordon would long serve the Council. MR. GORDON thanked the president and Council for the confidence they had placed in him by selecting him for the vacant seat on the Council. He would serve the Council to the best of his ability.

Mr. S. E. Campbell, in a letter to the Council, expressed regret at being unable to attend the meeting and reported that the local association in Londonderry thought that the annual visit of the Council might be arranged for a date in May instead of June. It was agreed on the motion of MR. J. CALDWELL, seconded by MR. H. F. MOORE, that the Council should hold their Londonderry meeting on May 15. The secretary was authorised to make the necessary arrangements.

MR. GORMAN reported that he had received from the Ministry of Home Affairs a copy of S.R. and O, N.I., 1958, No. 16. Under those regulations, æstrogenic substances, natural and artificial, where they were compounded in animal feeding, were to be excluded from the provisions of the 1945 Act and the Poisons Regulations.

Referring to the calendar proposed to be published by the Society, MR. McILHAGGER said he understood that the Dangerous Drugs Regulations to be made by the Ministry of Home Affairs were reaching their final stages. The Regulations would go before Parliament when it re-assembled and it was hoped that the Regulations would reach the Society in time for the May Council meeting. MR. McIlhagger thought that the Calendar should be published so soon as possible and to expedite publication he thought that the Council, who had completed their portions, should forward that copy to the printers. MR. W. H. BOYD proposed and MR. W. P. EWART seconded that the secretary be empowered to forward all available copy to the printers. THE PRESIDENT mentioned that literature for the British Pharmaceutical Conference was available and appealed to members to reply so soon as possible to the secretary notifying him that they intended being present.

Meeting to Discuss Examiners' Reports

MR. J. KERR, presenting the report of the Education Committee, said that at its February meeting the Council referred to the Committee the question of considering the examiners' reports, what action if any should be taken and the extent to which the reports should be published. The Committee was informed that on occasions in the past it was usual to discuss the points raised by the examiners with the senior members of the staff of the department of chemistry and pharmacy, College of Technology, Belfast.

The Committee thought that on this occasion some departure from the normal practice might well be tried and the Committee recommended that a meeting of teachers should be held on a suitable date in the Society's premises. The Committee thought that such a meeting would afford an opportunity to the teachers to outline their difficulties as well as allowing for discussion with the teachers concerned the matters raised by the examiners. As to the extent to which the reports should be published it was found that if they were to be of any value, practically all of the original reports should be made available to students and a draft had been prepared. The report was adopted on the motion of MR. KERR, seconded by MR. TEMPLETON.

Payment of Retention Fees

Presenting the report of the Law Committee on behalf of Mr. H. G. Campbell, MR. KERR said that the Committee recommended that a circular letter should be sent to each member of the Society pointing out that each proprietor pharmacist and superintendent should ensure that his Certificate of Registration together with that of each pharmacist employed should be conspicuously exhibited in the shop. The Committee also recommended that the registrar should be asked, when writing to members who had not paid the retention fee, to inform them that their names would be removed from the Register and to draw attention to the necessity of returning the Certificate of Registration within fourteen days of the removal of the name from the Register. The Committee recommended that a new final notice about the payment of retention fee should be printed and sent to members at the appropriate time; that notice to contain a statement about the necessity of returning the Certificate of Registration when a name was removed from the Register and the penalties involved for failing to do so. The notice should be sent by registered post. The report was adopted on the motion of MR. KERR, seconded by MR. C. A. QUINN. MR. QUINN asked whose duty it was to ensure that when a member's name was removed from the Register his Certificate was returned for cancellation. THE SECRETARY replied that section 9, subsection 2, of the Medicines, Pharmacy and Poisons Act (Northern Ireland), 1945, provided for the cancellation of Certificates of Registration by the Society's registrar. The Society had no part in the administration of the Pharmacy Acts.

Proposing adoption of the report of the House Committee, MR. CALDWELL said the Committee had recommended the carpeting of the floor of the Society's office. MR. W. H. BOYD seconded, and the report and recommendation were adopted. The report of the Finance Committee was adopted on the motion of MR. W. J. THORNTON, seconded by MR. R. GIBSON. It was agreed to send £20 to the Society of Pharmaceutical Students towards the cost of their visit at Easter to pharmaceutical manufacturing houses in London.

On the motion of MR. C. A. QUINN, seconded by MR. W. J. THORNTON, it was agreed to co-opt Mr. Diarmaid Moore, Scotch Street, Downpatrick, as a member of the Council in succession to the late Mr. Charles Moss.

THE PRESIDENT reported that he had received the gift of a pharmaceutical book which was published 260 years ago and suggested that it should be forwarded to the Society's museum.

PHARMACEUTICAL SOCIETY OF IRELAND

Monthly meeting of Council

FINANCE was again a major topic of discussion at the monthly Council meeting of the Pharmaceutical Society of Ireland held in Dublin on April 8. Mr. M. Power (president) was in the chair. Also present were Messrs. H. P. Corrigan (vice-president); M. Costello (treasurer); J. P. Kissane; T. R. Miller; M. Brodcrick; F. Loughman, T.D.; F. J. Robinson; G. C. O'Neill; C. J. Cremen; Alderman M. L. Cashman; C. J. Cremen and Miss L. Cunniffe. Mr. James G. Coleman, B.L. (the registrar) was in attendance. Apologies for absence were received from Messrs. V. McElwee; J. Gleeson; J. J. O'Regan and K. Banks.

A letter was read from the Minister for Health approving of changes in the examination for pharmaceutical assistants. A letter was read from Mr. P. O'Briain (inspector to the Society) thanking the Council for their expression of sympathy with him on the death of his mother.

Delay for Pharmacy Bill

Arising out of the minutes of the March meeting, Mr. MILLER inquired what progress had been made with regard to the Pharmacy Bill. THE REGISTRAR said he had been informed that a recent Supreme Court decision regarding the removal from their register of certain professional persons had repercussions with regard to the Bill, and it was anticipated that legislation would be introduced to deal with the situation created. That apparently was going to delay the Pharmacy Bill and similar measures.

MR. MILLER said that that was no excuse for holding up the Bill.

PRESIDENT: "It should be possible to go ahead with the other parts of the Bill."

The registrar was directed to write the Department of Health about the urgency of proceeding with the Pharmacy Bill.

The secretary of the Irish Local Government Officials' Union writing on behalf of the pharmacy branch of the Union asked for the Union to be consulted by the Council on any decisions being taken with regard to public dispensaries and clinics. MR. CREMEN said that the compounders employed in the dispensaries who were members of that branch of the Union were always consulted on matters affecting their interests and there was no reason why they should not be consulted again. The registrar was instructed to reply that the branch would be consulted when the appropriate time arrived.

Miss D. O'Reilly (honorary treasurer, Chemists' Debating Society) wrote thanking the Council for their generous grant to the Society, and expressing appreciation of the personal contributions from members of the Council towards a prize fund for student-debaters.

Mrs. Mary McCarthy (née Crowley, assistant), who submitted marriage certificate, was granted change of name in the Register.

An application by Mr. Samuel Irwin, Omeath, co. Louth, who submitted certificates, to be restored to the Register of Pharmaceutical Chemists was granted. Dr. Brian Curtin, R.A.F. Luqa, Malta, who forwarded an L.A.H. certificate with fee, was granted registration as a pharmaceutical chemist.

The following were granted registration in the Pharmaceutical Assistants' Preliminary Register: Sheila Mary Costello; Clare Dunne; Philomena Helen Daphne Bell; Rosabelle Dorrian; Mary Bernadette Grace; Sheila Margaret McGarry; Anne Bernadette Managan.

Registration in the Pharmaceutical Chemists' Preliminary Register was granted to Christopher Olutayo Sode; and Kuan-Young Chen.

The following changes of address were notified:—

Miss Gertrude Noonan, L.P.S.I., to The Medical Hall, Ballybofey, co. Donegal; Miss Kathleen Noonan, L.P.S.I., to The

Medical Hall, Ballybofey, co. Donegal; Miss Anne Nolan, L.P.S.I., to 2 Abbey Terrace, Boyle, co. Roscommon; Mr. Michael Murray, L.P.S.I., to 359 Navan Road, Ashtown, Dublin; Mr. F. W. Stewart, L.P.S.I., to 7 Crichton Park Road, Dartmouth, Nova Scotia; Mr. James Keating, R.D., to 21 Aughrim Street, North Circular Road, Dublin.

The reports of the Schools and Law Committees were submitted and approved.

Mr. P. O'Briain (the Society's inspector) in his report on visits to pharmacies in Dublin, Roscommon and county Longford, dealt with the absence of pharmacists from their pharmacies while attending at dispensaries and clinics. It was decided to have detailed data supplied of pharmacists holding public appointments who did not have their pharmacies fully covered in their absence, and to consider the report at the June meeting of the Council.

ALDERMAN CASHMAN said that a doctor has spoken to him about the practice of bringing in foreign personnel to fill posts that could be filled by Irish pharmacists. THE PRESIDENT said the Council felt strongly about that in view of the fact that Irish pharmacists were available to fill such appointments.

THE REGISTRAR reported on the deaths of Mr. Patrick D. Larkin, M.P.S.I., Drogheda, and Mr. Michael Flynn, M.P.S.I., Rathdowney.

A letter from Mr. Lionel Booth, T.D., stated that he had received a complaint from one of his constituents that a member of the constituent's family had become addicted to tranquillisers, and suggesting that Mr. Booth should press for stricter control of those drugs. Mr. Booth asked for the Society's views on the matter. ALDERMAN CASHMAN said the Council should explain the legal position to Deputy Booth and let him know of the feeling of the Society that many of those drugs should be brought under stricter control. He thought that even aspirin should be subject to some form of control. Compared with poisons legislation in Britain there was much to be done in the Republic. To arouse the interest of those concerned in the Department of Health, Alderman Cashman suggested that a copy of Deputy Booth's letter should be sent them. A case had been mentioned to him of a man who became addicted for seven years to benzedrine inhalors. Aspirins, to the danger of the public health, were freely available in public bars and restaurants.

MR. KENNELLY said that when tranquillisers were first introduced the Pharmaceutical Society of Great Britain sent out a directive to its members, but took no other action and it was left to the discretion of the individual pharmacist how he sold them. The matter was one for a poisons board in the Republic and Deputy Booth should help to hasten the introduction of a Bill to create such a board.

THE PRESIDENT: "We hope Deputy Booth will support us in our efforts to secure a new Pharmacy and Poisons Bill. I suggest we inform the Deputy that two members of this Council are members of the Dail—Deputies Loughman and Brady—and that we should ask them to discuss the matter with him." MR. LOUGHMAN said the Deputies would certainly discuss that question with Deputy Booth but he thought they were up against considerable difficulties. Unless there were a number of tragedies resulting from the sale of those drugs it was difficult to convince the Department that their sale should be restricted to pharmacists.

It was agreed to write Deputy Booth giving him the Council's views, and also to put him in contact with Councillors Loughman and Brady.

Financial Report

MR. COSTELLO (treasurer) submitted a detailed report on the Society's finances, with tables showing how income had fallen and expenses had risen. In his report Mr. Costello observed: "It will be seen from this analysis that two

separate problems exist: (1) Insufficient income from members, associates, investments and registration fees, etc., to pay for the activities of the Society, and (2) insufficient income from students to pay for the College. The second problem is outside the control of the Council insofar as the Council has no control over the numbers deciding to enter pharmacy each year." Mr. Costello told the Council that revenue from subscriptions came to £3,415; from examination fees £1,536 and from registration fees £1,413. In 1957 the numbers sitting Part I examinations were sixty and seventy, and for Part II, sixty and sixty-five. For Part I this year the number was twenty and for Part II thirty-eight which meant that revenue from examinations and registrations was going to be considerably down. It might be well to wait until the end of the financial year to see what the situation was like, but it seemed evident that it was not going to be a healthy one. Mr. Costello stressed that the present position was largely due to the action the Society took in the interests of its members some years ago, when it "closed the floodgates" and restricted the numbers coming into pharmacy. It was then felt that too many were qualifying for the good of the profession. While members benefited from that action the finances of the Society suffered as a result. If the Society were to retain an inspector, who was really doing State work, the State should help to defray the cost of the inspector.

"Best Value of All"

MR. MILLER said that those who complained about the numbers coming into pharmacy must be prepared to pay more when measures were taken to remedy the situation. When Mr. Kissane suggested that an economy could be effected by cutting out the official journal, which he said cost them well over £1,000. MR. KENNELLY said he was shocked to hear such a proposal. The official journal was the best value of all they got for their subscription. It was a valuable part of the education of the younger pharmacists to read the *C. & D.* every week, and it would be unthinkable not to have it for their members. Personally he could not be without the *C. & D.* every week, and could not miss the valuable technical articles and the information he got from reading it. MR. KISSANE said he also appreciated the value of the *C. & D.* but he did not think it was the Society's function to act as the collector of subscriptions for the journal. His idea was to fix a subscription for membership that would leave room for the journal.

MR. MILLER said if members were made to realise that the present position was due to the action taken some years ago in closing the floodgates the members would agree to an increased subscription. THE REGISTRAR said that after the cost of the journal and the Society's calendar were

taken out of the existing £3 3s. subscription very little was left for the Society. If the Society had £3 3s. clear it would pay its way.

THE PRESIDENT said the Council must thank the treasurer for the work he did in getting out such a detailed financial statement, which was of great assistance to them. MR. LOUGHMAN said he believed the majority of the members would acquiesce in having the subscription increased, since everything had gone up in price since the original subscription was fixed. MR. O'NEILL thought that members should be made fully aware of the fact that the Council had the Society's serious financial position under review.

MR. KENNELLY said when the new Pharmacy Bill was passed the introduction of a retention fee would help. The creation of a Pharmaceutical Trust mentioned by the president was something else that could be of great assistance to the College if it were launched. MR. O'NEILL said he, too, was all in favour of forming the Trust. On THE PRESIDENT'S proposal it was decided to form a committee to proceed with the founding of a Pharmaceutical Trust. The Committee comprises Messrs. Kennelly, Cremen, O'Neill, the Dean of the College and the honorary officers.

It was agreed not to take any action regarding the Society's finances until the end of the financial year when the position could be reviewed.

MR. KENNELLY drew attention to the course of six lectures to be given by Dr. R. F. Timoney (dean of the College of Pharmacy) on "The Chemistry of Organic Medicinal Substances" and urged the fullest attendance of members and licentiates. The course started on April 11.

Dr. G. E. Trease (head of the department of pharmacy, Nottingham University) was appointed an extern examiner for the second Professional examination.

The Licence certificates of the following were signed and sealed: Elizabeth Maguire, Winifred Pauline Feely and Gerald Joseph O'Neill.

The following were elected members of the Society:—Misses Mary Reynolds, Brigid Murphy, Monica H. T. Melotte, A. M. S. Johnson, Eileen Sullivan; Mrs. A. B. P. Dolan, Mrs. Anna McDonnell; Messrs. Eamon Walker, John Rafferty, Thomas Kissane and Michael McDonagh.

The following were nominated for membership:—Dr. Brian Curtin, R.A.F. Luqa, Malta; John J. Hunt, 5 The Brook, Enniskillen; Michael Murray, 359 Navan Road, Ash-town, Dublin; Miss Gertrude Noonan, Medical Hall, Ballybofey, co. Donegal; Miss Anne M. C. Tierney, St. John's Lecarrow, co. Roscommon; Joseph P. Twiggs, Ellison Street, Castlebar, co. Mayo.

At a meeting of the Benevolent Fund held at the end of the Council meeting grants totalling £62 were passed for payment.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

From All Good Chemists?

SIR, — "Pharmaceutical" requests made by two members of the public within the hour:—

1. "Macmillan's tablets";
2. "Hailsham's balsam."

The lady requesting the former, on being "corrected," commented: "I don't want any of *his* tablets." On the other hand the gentleman requesting the latter was apparently quite happy about what he asked for and what he got.

I. M. WEST, LTD.
Crayford, Kent

Exchanging Excess Stocks

SIR,—Amongst chemists generally—and particularly the small manufactur-

ing variety—there must be very many who hold excess stocks of some materials, plant or equipment yet are short of others. In times of economic stringency, reluctance to buy invariably coincides with anxiety to sell. If, however, "A" stands in need of something which "B" is anxious to sell, and if "A" has a surplus of something which "B" needs to buy, three factors will arise:—

- (a) Both will buy for their immediate requirements at lower than normal prices because both are anxious to sell.
- (b) A close relation of cash values in the exchange would be possible, and thus both parties would be able

to conduct a portion of their businesses without further cash outlay.

- (c) Disclosure of the existence of stocks of surplus materials might avoid the need for importation of some—which would be a good thing for the national economy—whilst the law of supply and demand might well operate to produce lower prices for first-hand supplies.

There's nothing new about this idea, of course; but its special application to the chemist through the medium of a purely "chemist" publication may fill a long-felt want, and we offer the subject for discussion in your columns accordingly. In other fields the idea works well.

JUTA

ORGANIC COMPOUNDS OF TIN

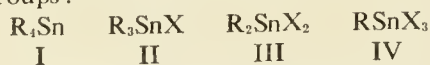
Reasons for a recent heightening of interest

THE fine chemicals group of the Society of Chemical Industry, at a joint meeting with the London Section on March 14, heard Dr. E. S. HEDGES (director of the Tin Research Institute) and PROFESSOR G. J. M. VAN DER KERK (Organisch Chemisch Instituut, Utrecht, Holland) describe "Research on Organotin Compounds and their Technological Applications."

Dr. Hedges gave an explanation of the recent upsurge of interest in organotin compounds, from the points of view both of research and of industrial development. The eight years of work so far undertaken by Professor van der Kerk and his staff at Utrecht on behalf of the International Tin Research Council had shown that a systematic organotin chemistry was possible. An important practical issue had been the recognition that trialkyltin compounds containing a total of 9 to 12 carbon atoms in the three alkyl groups had powerful biocidal properties—properties shared by some triaryl-tin compounds.

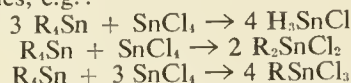
Industrial uses for such compounds were being developed. Tributyltin compounds were now being used as fungicides in paper manufacture and in paint, and in many countries they were under trial for their suitability as wood preservatives, as rot-proofers and insect-proofers for textiles, as treatments of bacterial slimes in industrial waters, and as protectants of agricultural crops. He illustrated recent German agricultural applications of triphenyltin compounds with colour slides demonstrating their beneficial effect on growing potatoes, beet and celery.

Professor van der Kerk dealt with recent avenues of organotin research. He said the properties of organotin compounds derived from the position of the metal tin in the fourth main group of elements in the periodic table: (C, Si, Co, Sn, Pb.). Little resemblance existed between C-H and Sn-H bonds; C-C and Sn-C bonds had much more in common. The majority of the known organotin compounds contained only one tin atom per molecule, and those compounds could be classified into four groups:—



(R represents any group bound to tin by a carbon atom; X all other groups).

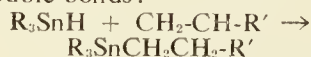
From a preparative point of view the basic reaction in organotin chemistry was the Kocheahkov rearrangement which occurred when alkyl- or aryltin compounds were heated with stannic halides, e.g.:



In that way the several groups of tin compounds could be obtained from the easily available compounds R_4Sn . Up to the present most organotin compounds (R_4Sn) had been prepared by means of the corresponding Grignard reagents. Alternative routes were the interaction of tin-sodium or tin-magnesium alloys with alkyl halides and the reactions

between alkyl halides, sodium and stannic chloride. For special purposes organolithium compounds had been used instead of organomagnesium compounds. Organotin-lithium compounds had occasionally been applied as reactive intermediates.

A new reaction for the formation of tin-carbon bonds was the addition of alkyl- or aryltin hydrides towards reactive double bonds:



In that way a diversity of functionally substituted organic groups could be attached to the tin atom. Those reactions, and the further conversion of the reaction products by means of nucleophilic reagents had made possible the development of a true functional organotin chemistry. Much attention had been paid recently to the biocidal (especially fungicidal) action of certain trialkyl- and triaryl-tin compounds.

Among the aliphatic compounds the tributyltin derivatives were, said the speaker, outstanding in fungicidal activity, surpassing even the organomercurials. Applications of the compounds as industrial fungicides were under active development.

In reply to Dr. J. H. WILKINSON, PROFESSOR VAN DER KERK said that asymmetrical organotin compounds had been prepared. Derivatives of methyl-ethylpropyltin, for example, had been resolved into optically active isomers. Dr. J. D. KENDALL asked whether much work had been done with branched-chain alkyl substituents, in view of the fact that one of the slides had shown that certain iso-alkyl compounds showed slightly greater fungicidal activity. The lecturer said that it was difficult to form the Sn-C bond with a substituent branched at the linking, and almost impossible with *tert*-butyl. Work along those lines was, however, being pursued.

Professor van der Kerk told Dr. G. E. FOSTER that no antidotes to poisoning by trisubstituted tin compounds were known: they had a different action from the disubstituted series, for which dimercaptopropanol could be used. Those substances owed their toxicity to interference with oxidative phosphorylation.

In reply to Dr. A. C. C. NEWMAN, the lecturer said that no coloured organotin compounds and only one cyclic derivative had yet been prepared.

To a question about the rain resistance of the tin fungicides during field trials the reply was that the stability of the compound could be controlled by formulation.

EDUCATION AND LAW

Talks and discussions at Plymouth

IN a talk to the Plymouth Branch of the Pharmaceutical Society recently Mr. C. SIEVENS traced the history of common law and pointed out how it differed from statute and specialised law. He then defined the laws of contract, offer and acceptance, the difference between "offer" and "offer to treat" with particular reference to the pharmaceutical cases, "offer accepted," of conduct, and conditions of acceptance. He also dealt with debts, guarantors, infants and minors, limited company and insurance contracts, again quoting examples from everyday pharmacy. He also indicated the responsibility of, and to, employees for accidents on premises. Mr. H. ROWE asked what the position was of tenants and landlords in connection with a falling ceiling; Mr. K. WADGE inquired regarding responsibility of first aid treatment, and also responsibility of locums in ordering goods; Mr. E. BURROW asked regarding goods marked with the wrong price. Mr. C. PARK asked about bogus bonus offers and Mr. J. FOX regarding legal implications in recommending medicinal preparations and the position of National Health Service drug testing. Mr. Stevens dealt with the points raised and pointed out that the British pharmacist was safeguarded in many ways regarding responsibility, but that the Continental pharmacist had to accept responsibility for everything he sold or dispensed.

Education

The new educational policy of the Pharmaceutical Society was dealt with by Mr. T. Reid (a member of the Society's Council) at another meeting of the Plymouth branch. Mr. Reid

traced the educational developments of the Society and the need to keep in the van of development, especially to maintain pharmacy's place in the new colleges of advanced technology. He believed it was necessary for the Society to retain overall control yet leave sufficient room for development and alteration. He would prefer to be challenged for moving too quickly, rather than for it to be said that the Pharmaceutical Society lacked the courage to move at the right time. He considered the right time was now. There would still be one year's practical training either before or after examination. He considered that there should be the same basic education to prepare for retail, hospital or industry. A standard recognisable by the State for grants should be given. The final examination would not be as now, one examination which could be reasonably called an "endurance test" but at the end of each year in the final course an examination would be held. Next year the Pharmaceutical Society had decided to take a stand at Olympia in the Careers Exhibition. Mr. E. C. BURROW asked if Mr. Reid considered that with increasing costs and lower profits the small dispensing pharmacist would disappear. Mr. REID said that, as a result of the increased numbers of pharmacists after the 1914-18 war, a large number of pharmacies opened up which were uneconomic and depressed wages. Quite a number of pharmacies at present for sale would never be sold. The people in the "bulge," however, would soon be approaching retiring age and either by death or retirement closure would even out those uneconomic units.

**Lederle proudly announces
the introduction of**

Ledercort^{*}

TRIAMCINOLONE (9 ALPHA-FLUORO-16 ALPHA-HYDROXY)PREDNISOLONE

a new, superior corticosteroid of great promise

LEDERCORT is an achievement of Lederle corticosteroid research—created to minimise the major deterrents to all previous steroid therapy. It offers increased potency for greater clinical effectiveness; reduced dosage and the distinct advantage of fewer side effects.

LEDERCORT represents a new HIGH in anti-inflammatory effects with a lower dosage that averages $\frac{1}{3}$ less than prednisone. LEDERCORT offers a new LOW in the collateral hormonal effects associated with all previous corticosteroids since it causes: *no oedema, no hypertension, no psychosis, no weight gain or potassium depletion.*

Because of its reduced dosage, there is a lower incidence of other side effects such as *peptic ulcer, osteoporosis, epigastric distress, diabetic state, Cushinoid "obesity"*.

LEDERCORT provides prolonged therapy at less cost with easier patient management.

INDICATIONS: *Rheumatoid arthritis; bronchial asthma; dermatoses; allergic disorders; other conditions where corticosteroids have proved beneficial.*

Oral tablets of 4 mg., scored for easy division.

Bottles of 30, and 100.

*REGD. TRADEMARK



LEDERLE LABORATORIES DIVISION

Cyanamid OF GREAT BRITAIN LTD., London, W.C.2



here is a patient with **FIBROSITIS**

The value of encouraging fibrositic patients "to continue their normal occupations" is a well-established fact†.

They improve more quickly and complete recovery is hastened.

Finalgon* Ointment, a rubefacient of unusual intensity and persistency, frequently helps to keep fibrositic patients at work. Its double dilatory action on the capillaries and deep vessels create a greater and longer-lasting hyperæmia than any other skin vasodilator. Relief of pain is swift, effective and prolonged. The special applicator provided helps in thorough, effective and economical application.

†The British Encyclopædia of Medical Practice . . . 2nd Edition

DEEP HEAT FROM A TUBE
FINALGON
ointment

NONYLIC ACID VANILLYLAMIDE (0.4%) WITH THE β BUTOXYETHYL ESTER OF NICOTINIC ACID (2.5%)

keeps him WORKING



Manufactured and distributed in the U.K. by Pfizer Ltd., Folkestone, Kent, for
C. H. BOEHRINGER SOHN, INGELHEIM-AM-RHEIN
Registered proprietors of the Trade Mark.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, APRIL 16: Trading in CRUDE DRUGS was dull during the week with consumers restricting their purchases to filling their immediate needs. Cape ALOES was more freely available at origin than for several months but the prices quoted were above those of material already available in London.

BUCHU was a little easier for shipment the new-crop leaves being quoted at 6s. 3d. per lb. against 6s. 6d. recently. CAMPHOR POWDER was three-pence per lb. lower on the spot whilst the tablets were down by about six-pence. Whereas Chinese MENTHOL on the spot was lower by sixpence per lb. at 51s. per lb., shipment was dearer by one shilling at 48s.; Brazilian, Japanese and Formosan menthol were all easier, particularly the Formosan variety. QUASSIA CHIPS were available on the spot at 55s. per cwt. Among SPICES, Zanzibar CLOVES were down by one penny per lb., and African GINGER by 20s. per cwt.

Schedules for ZINC OXIDE were reduced by £2 per ton on April 14. STRYCHNINE and BRUCINE continue in short supply with prices now showing a considerable rise over those in force a year ago. TANNIC, GALLIC and PYROGALLIC ACIDS are now in good supply but prices are held at the previous high levels because of heavy advances in the price of China galls.

In ESSENTIAL OILS the easier price tendency continued for several important commodities. *Arvensis* PEPPERMINT was quoted from threepence to one shilling per lb., lower according to source, while the forward position was equally affected. PATCHOULI was down by sixpence per lb., and BOIS DE ROSE by one shilling. Chinese ANISE was variously quoted on the spot at between 9s. 3d. and 9s. 7½d. per lb. LEMON-GRASS for forward delivery dropped threepence per lb., but spot was only fractionally easier.

Pharmaceutical Chemicals

AMMONIUM ACETATE. — 1-cwt. lots of B.P.C., 1949, are quoted at 4s. 5d. per lb.

ANTIMONY. — English 99.6 per cent. is £197 10s.; 99 per cent., £190 per ton.

ANTIMONY SALTS.—Quotations for POTASSIUM TARTRATE, B.P., are 7s. 6d. per lb. for 1-10 cwt. and SODIUM TARTRATE, B.P., 13s. 3d.

BORAX. — B.P. grade for quantities of 1-ton and upwards: Granular, £55, crystals, £57 10s.; powder, £58 10s.; extra fine powder, £59 10s. per ton. Supplied in hessian sacks. Prices of commercial range from £45 to £50 10s. per ton, as to type and packing. Dehydrated borax is £68 per ton in paper-lined hessian bags or £67 in paper bags; carriage paid in Great Britain. Surcharges for smaller quantities: Less than 1 ton but not less than 5-cwt., 1s. per cwt.; 3-cwt., 2s.; 1-cwt., 3s.

BORIC ACID. — Prices (per ton) for B.P. grade in quantities of 1 ton and upwards are as follows:—Granular, £89 10s.; crystals, £96 10s.; powder, £94; extra-fine powder, £96 per ton, in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supplied in paper bags. Technical grades range from £75 10s. to £84 per ton according to type and packing.

BRUCINE.—ALKALOID in 100-oz. lots is 3s. 1d. per oz. and SULPHATE, 2s. 7d. per oz.

CALCIUM CARBONATE. — B.P. light-precipitated powder is £32 per ton, ex store.

CALCIUM CHLORIDE. — B.P. crystals are 1s. 3½d., and granulated, 10½d. per lb. in 1-cwt. lots.

CALCIUM SUCCINATE. — Quotations are from 10s. 6d. to 12s. 6d. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

CHLORAL HYDRATE. — In 1-cwt. lots the price is about 4s. 3d. per lb.

CINCHOPHEN.—1-cwt. lots are quoted at 21s. per lb.

CITRIC ACID. — Quotations (per cwt.) for domestic material are 225s. for 1-4 cwt. lots and 220s. for 5-cwt. lots.

HYDROGEN PEROXIDE.—Carboy lots of 20 vols. are 5s. per gall. The 35 per cent. (by weight) is 158s. per cwt. in 1-cwt. carboys.

HYDROQUINONE.—Quotations for 1-cwt. lots are 11s. 6d. per lb. or 25s. 4d. per kilo.

HYOSCINE HYDROBROMIDE. — Price per oz. is 102s.

ICHTHAMMOL. — B.P. is from 2s. to 2s. 6d. per lb. in 1-cwt. lots as to origin and container.

ISOPRENALINE SULPHATE.—B.P. is 1s. 3d. per gm. for 1,000-gm. lots and 1s. 9d. per gm. for 100-gm. lots.

LACTATES.—CALCIUM, B.P., is 2s. 10d. per lb. in 5-cwt. lots and 2s. 11d. in 1-cwt. lots; CALCIUM SODIUM for similar quantities is 4s. 9d. and 4s. 10d. per lb.

LACTIC ACID. — B.P. is 4s. 5d. per lb. for 12-winchester lots and 4s. 4d. for 5-cwt. lots.

LACTOSE.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £129 10s. per ton, delivered in the United Kingdom.

LEAD ACETATE. — B.P. crystals are 200s. per cwt. and technical, 180s.

PHENOLPHTHALEIN.—Rates for 1-cwt. lots is 11s. per lb.

PHENYTOIN SODIUM. — B.P. is 23s. per lb. in 1-cwt. lots.

PYROGALLIC ACID. — Pure crystals are 22s. 6d. per lb. in 1-cwt. lots; resublimed, 24s. 3d.

QUININE. — Makers' rates for 1,000-oz. lots are now:—SULPHATE, B.P.C., 1932, 1s. 10d. per oz.; SULPHATE, B.P.C., 1953, 2s. 0½d.; BISULPHATE, 1s. 10d.; DI-HYDROCHLORIDE, 2s. 4½d.; HYDROCHLORIDE, 2s. 6½d.; ETHYL CARBONATE, 4s. 3d.

ROCHELLE SALT. — Rates (per cwt.) for powder or granulated material are as follows:—In 5-cwt. lots or over, 200s. per cwt.; 1-cwt., 202s. 6d. SEIDLITZ POWDER, ordinary strength is 160s. 6d. per cwt. in 1-cwt. lots; smalls, from 2s. to 2s. 3d. per lb. Extra strong is 172s. 6d. per cwt., and from 2s. 1d. to 2s. 4d. per lb. for small quantities. Double-strength is 180s. per cwt.; smalls, 2s. 2d. to 2s. 5d. per lb.

SACCHARIN.—In lots of 1-lb. and over B.P.C. powder is quoted at 99s. 10d. per lb., the SODIUM SALT is 80s. 10d. per lb. Prices include duty and carriage.

STRYCHNINE. — Per oz. ALKALOID, crystals, 7s. 3d. HYDROCHLORIDE, 7s.; SULPHATE, 6s. 3d.; NITRATE, 7s. 9d., all for 100-oz. lots in free containers.

SULPHUR.—B.P. PRECIPITATE in 1-ton lots is £120 per ton, delivered U.K.

TANNIC ACID.—The B.P. levis, ex ether is quoted at 9s. 9d. per lb. for 1-cwt. lots. The B.P. powder is 9s. 3d. per lb. in 1-cwt. lots.

TEREBENE. — For 1-carboy lots, 4s. 2d. per lb. is asked. In winchesters, prices are 15s. 9d. per lb.; 28-lb., 14s. 6d.

TEREBINTH.—B.P. is 2s. 3d. per lb.

TERPINEOL. — Prices of B.P. grade are from 3s. to 3s. 6d. per lb. as to quantity.

THEOBROMINE. — ALKALOID is from 24s. 6d. per lb. and SODIUM SALICYLATE, 22s.

UREA.—Manufacturers' rates for pharmaceutical grade are £63 per ton in 1-cwt. bags non-returnable. Technical quality is £44 10s. per ton.

ZINC OXIDE.—Lower rates for B.P. quality are now: 2-ton lots, £98 10s. per ton; 1-ton, £99 10s.; 5-cwt., £106 10s.

Industrial Chemicals

ACETALDEHYDE. — The 100 per cent. is £155 per ton.

ACETATES.—Prices (per cwt.) for drum lots are as follows:—AMYL (technical), 255s. and B.S.S., 257s. BUTYL, 179s.; ETHYL, 151s.; ISOPROPYL, 147s.

ACETIC ANHYDRIDE. — 10-ton lots are quoted at £134 per ton, delivered U.K. in returnable drums; 1-ton lots, £136.

ACETONE.—One-ton lots are quoted at £90 per ton.

BENZOLE. — Thiophene-free is from 9s. 3½d. per gall. for one 50-gall. barrel and pure, 6s. 3½d. per gall. for similar lots.

N-BUTYL ALCOHOL. — One to 5-ton lots are quoted at £159 per ton and one-drum lots at £163 per ton. Secondary is £130.

CARBON TETRACHLORIDE, B.P.—1-2-carboy lots are £135 per ton. TECHNICAL, in 40-gall. drums, in less than 1-ton lots, is £84; 1 ton and under 2 tons, £81; 2 tons and under 4 tons, £80 10s.; 4 tons and upwards, £79 10s.

ISOPROPYL ALCOHOL. — Technical grade (99 per cent.) 5s. 0½d. per gall. for 10,000 gall. lots; anhydrous in drum lots is £108 per ton.

METHYL ETHYL KETONE.—One-ton lots in drums are quoted at £145 per ton.

METHYL ISOBUTYL CARBINOL. — One-ton lots (in one delivery) are now £165 per ton.

METHYL ISOBUTYL KETONE. — One-ton lots are £171 per ton with usual differentials for small quantities.

NAPHTHALENE.—Home market prices (per ton for 4-ton lots at one time) are as follows:—CRUDE, crystallising point 64-71.9° C., £22 5s. to £23; WHIZZED, c.p. 72-77.5° C., £27 3s. 6d. to £35 13s. 6d. according to the crystallising point, ex works; HOT-PRESSED, minimum c.p. 77.6° C., £42 10s. 6d. ex makers' works; CRYSTALS from £62 8s. 6d. to £64 18s. 6d., delivered; BALL AND FLAKE, £70 18s. 6d. to £73 9s. delivered.

PHthalATES.—Prices (per ton) for drum lots are as follows:—DIBUTYL, £228; DI-ISOBUTYL, £210; DIETHYL (normal grade), £229; DIMETHYL, £208.

STEARATES. — Spot prices for minimum 1-ton lots are now as follows:—ALUMINIUM (all grades), 253s. per cwt.; CALCIUM (precipitated), 243s.; LEAD (30 per cent.), 240s.; MAGNESIUM (standard), 271s. 6d. and (superfine), 301s. 6d.; ZINC, B.P., 285s. 6d.

TITANIUM DIOXIDE.—In 5-ton spot lots anatase is from £162 5s. per ton; rutile is £178 5s. for surface-coated and £170 for non-surface-coated.

Crude Drugs

ALOES. — Cape prime on the spot is 260s. per cwt.; shipment, 265s., c.i.f.

BALSAMS.—Quotations (per lb.) are:—**CANADA:** Spot, 25s. **COPAIBA.**—Para from 8s. to 10s. duty paid. **PERU.**—10s. 6d., in bond; 10s., c.i.f. **TOLU** (genuine as imported), 25s.; B.P., 17s.

BENZON.—Sumatra No. 1 block on the spot is 520s. to 540s. per cwt. (465s., c.i.f.).

BUCHU.—Spot rounds are 7s. per lb. new-crop for shipment, 6s. 3d., c.i.f.

CAMPHOR.—B.P. POWDER is from 5s. per lb., duty paid. **TABLETS**, $\frac{1}{4}$ -oz. are 6s., in bond.

CARDAMOMS.—Aleppy greens are 14s. 6d. per lb. on the spot; shipment, 13s. 4½d., c.i.f. No. 1 seed for shipment, 19s. 3d., c.i.f.; spot cleared.

CASSIA. — Selected whole bark for shipment is 200s. per cwt., c.i.f. and extra-selected broken, 187s. 6d., c.i.f. Spot market virtually bare. *C. fistula*, new crop 90s. per cwt.

CHERRY BARK. — Thin natural is from 1s. 9d. per lb., duty paid, and rossed 2s., on the spot.

CLOVES. — Zanzibar on the spot are quoted at 3s. 3d. per lb. shipment 2s. 9d., c.i.f.

GINGER.—African, 110s. per cwt. on the spot; new-crop for shipment, 105s., c.i.f. Jamaican No. 3 on the spot is 400s. per cwt., April shipment (new crop), 345s., c.i.f. Cochín spot, 95s.

GUM ACACIA.—Kordofan cleaned sorts are 132s. 6d. per cwt. on the spot; April shipment, 119s., c.i.f.

HENNA. — Indian on the spot is 75s. per cwt.

HYDRASTIS. — Spot 31s. per lb.; forward, from 28s. to 29s. 6d., per lb., c.i.f.

IPECACUANHA. — April shipment (c.i.f., per lb.); Matto Grosso, 58s. 6d.; Colombian, 60s.; other sources not offering. Matto Grosso, 64s., spot.

JALAP ROOT. — Brazilian, untested is offered at 2s. per lb. on the spot.

KARAYA. — No. 1 gum on the spot is quoted at 220s. per cwt. and No. 2 at 150s.

KOLA NUTS. — Jamaican are offered at about 8d. per lb. spot, and 6½d., c.i.f. African, 5½d. spot and 4½d., c.i.f.

LANOLIN. — **ANHYDROUS**, B.P., is from 170s. to 175s. per cwt. in 1-ton lots and **HYDROUS**, B.P., 150s., free drums, delivered.

LIQUORICE. — Natural root: Persian to arrive is 45s. per cwt. Block juice: Anatolian, 210s. per cwt., spot. Italian stick from 310s. to 476s. per cwt. Spray-dried extract, 2s. 10½d. per lb.

LOBELIA HERB. — Spot offers are from 4s. 6d. to 4s. 9d. per lb. Dutch for shipment, 4s. 4d., c.i.f.

MENTHOL.—Chinese is 51s. per lb., duty paid and 48s., c.i.f.; Brazilian, spot, 37s., duty paid, shipment, 33s. 9d. to 34s. 3d., c.i.f. Formosan for shipment, 38s. 6d., c.i.f.; Japanese, 45s., c.i.f.

MERCURY. — Price per flask (76-lb.) is £77 on the spot.

NUTMEGS. — West Indian 80's, 17s. per lb., spot; sound unassorted, 13s. 6d.

PAPAIN.—Nominal c.i.f. value is 37s. 6d. per lb. as to source. Spot is scarce.

PEPPER. — White Sarawak is 2s. 8d. per lb. on the spot with April shipment now 2s. 6½d., c.i.f. Black Sarawak has sold up to 1s. 7d., on spot, with April-May shipment at 1s. 6½d., c.i.f. Black Malabar on spot is quoted at 220s. per cwt. and April-May shipment at 210s.

PEPPERMINT LEAVES. — Dutch new-crop for shipment, 2s. 6d. per lb., c.i.f.

PIMENTO. — Shipment is 540s. per cwt., f.o.b.

PYRETHRUM.—Extract, minimum 25 per cent. w/w pyrethrins, is 72s. per lb.

QUASSIA. — Chips on spot are offered at 55s. per cwt. and for shipment at 38s. 6d., c.i.f.

QUILLAIA.—Spot offers of whole bark at 165s. per cwt.; cut, 197s. 6d.; crushed, 200s. Whole for shipment, 110s., c.i.f.

SEEDS.—(Per cwt.). **ANISE.**—Cyprian, 165s., spot. **CARAWAY.**—Dutch quoted at 92s. 6d. spot, duty paid. **CELERY.**—Indian on spot is 180s. with shipment (old crop), 150s., c.i.f. **CORIANDER.**—Moroccan on spot are 65s., duty paid and 60s., in bond. Rumanian, 62s. 6d. and Polish, 53s. 6d. (both duty paid). Moroccan for shipment, 47s. 6d., c.i.f. **CUMIN.**—Firm, Cyprian on spot is nominal at 205s. A parcel for early May quoted at 190s., landed. For shipment 180s., c.i.f., quoted. **DILL.**—Indian is 67s. 6d. on spot and 52s. 6d., c.i.f., for shipment. **FENNEL.**—Chinese unchanged at 160s. duty paid and Indian 200s., spot. **FENUGREEK.**—Moroccan quiet, 50s. spot, duty paid. **MUSTARD.**—English 67s. 6d. to 75s. according to quality.

SENEGA.—Spot is 17s. 3d. per lb.

SENNA. — *Tinnevelly* LEAVES, prime No. 1, 1s. 5d. per lb., prime No. 2, 1s. 3d., f.a.q., No. 3, 10d. **PODS**, manufacturing substandard, 1s. 1d.; hand-picked, 2s. 3d. to 2s. 6d. *Alexandria* pods: Manufacturing, offered from 1s. 7d. with hand-picked from 5s. 6d. to 6s. 6d.

TONQUIN BEANS.—Para on the spot are offered at 8s. 6d. per lb. Shipment, 7s. 6d., c.i.f.

VALERIAN ROOT. — Spot: Indian (with rootlets) is 130s. and Belgian, 175s. to 195s. per cwt. Dutch (max. 2½ per cent. sand) for prompt shipment, 168s., c.i.f.

VANILLIN.—Rates (per lb.) are now:—5-cwt. lots, 25s. 3d.; 1-cwt., 25s. 6d.; 56-lb., 25s. 9d.; smaller quantities, 26s.

WAXES. — (Per cwt.). **BEE'S.**—Dar-es-Salaam, spot, 510s., shipment, 480s., c.i.f.; Sudanese, 470s., spot, in bond and 445s., c.i.f. Abyssinian, spot, 470s. in bond; shipment, 445s., c.i.f. Benguela spot, 510s., duty paid; shipment, 465s., c.i.f. **CANDELILLA.** — Spot, 460s. **CARNAUBA.**—Fatty grey, spot, 565s.; for shipment, 550s., c.i.f. Prime yellow, spot, 1,000s.; shipment, 890s., c.i.f.

Essential and Expressed Oils

ALMOND. — British oil is 8s. 3d. per lb. Moroccan, 7s., in bond.

ANISE. — Chinese, from 9s. 3d. to 9s. 7½d. per lb., spot; shipment, 7s. 9d., c.i.f.

BERGAMOT. — Spot supplies are from 86s. 6d. per lb. for 38 per cent. oil. Only 39 per cent. oil available at origin.

BOIS DE ROSE.—Brazilian is 22s. 6d. per lb. on the spot and 21s. 9d., c.i.f.

CAJUPUT. — Spot supplies are from 10s. 6d. per lb.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CARDAMOM.—Price per lb. is from 350s. for English-distilled and from 267s. 6d. to 297s. 6d. for imported.

CINNAMON.—From quillings, best English-distilled is 50s. per oz.; other B.P. oils from 165s. per lb. Ceylon leaf, spot, 11s. 6d. per lb.; shipment easier, 10s. 10½d., c.i.f.; rectified, 15s. per lb.; Seychelles, 6s., spot; shipment, 5s. 7½d.

CITRONELLA. — Ceylon, spot unchanged at 4s. 1½d.; shipment, 3s. 9½d., c.i.f. Formosan, prompt shipment, 4s. 7½d.; July-August shipment, 4s. 3d. per lb.; spot: 5s., in bond.

CLOVE.—Madagascar leaf is 6s. 6d. per lb., duty paid and 5s. 9d., c.i.f., for shipment. Rectified 87-88 per cent., 9s. 3d. Distilled bud oil, English B.P., 26s. 6d. to 27s. 6d.

COD-LIVER. — B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER. — B.P. oil is quoted from 70s. per lb.

CUBEB.—Spot supplies of imported are offered at 45s. per lb. and home-produced 65s.

CUMIN.—Quotations for English-distilled oil are about 90s. per lb.

DILL.—B.P. imported is 36s. per lb.

EUCALYPTUS.—Australian 70 to 75 per cent. eucalyptol on the spot is 4s. 9d. per lb. 80 to 85 per cent., 5s. 6d. Spanish (70 to 75), 4s. spot.

FENNEL.—Spanish sweet on the spot is quoted at 9s. 6d. per lb.

GERANIUM.—Bourbon is 105s. per lb. on the spot and Algerian, 92s. 6d.

GINGER. — English-distilled oil is 160s. per lb. Imported: Jamaican, 135s.; Chinese, 100s., duty paid.

GRAPEFRUIT.—Jamaican or Floridan is 15s. per lb.; South African, 10s., spot. Californian for shipment in limited supplies at 19s. 8d. per lb.

JUNIPER. — B.P.C. 1949 oil is from 10s. 6d. per lb. and Jugo-Slavian, 14s. on the spot. English-distilled is 155s. **JUNIPER WOOD**, from 5s.

LEMON.—Prices of B.P. oil are from 25s. to 45s. per lb. on the spot according to quality. Californian for shipment, 25s. to 28s. 6d., c.i.f.

LEMONGRASS. — Spot is 7s. 1d. per lb., and May-June shipment, 6s. 8d., c.i.f.

LIME. — West Indian distilled is in the region of 60s. per lb. on the spot.

ORANGE.—Spot quotations of sweet oil include Floridan at 7s. 6d. per lb., Californian, 10s.; West Indian, 9s.; South African, 9s.; West African, 14s. 6d.; Israeli, 12s. For shipment, Californian cold-pressed U.S.P., is nominal at 16s. 9d., c.i.f.; distilled, 6s. 5d., c.i.f. Terpeneless is 200s. per lb., spot.

PALMAROSA. — East Indian, 25s., spot, and 20s., c.i.f.

PATCHOULI.—Penang is 27s. 6d., in bond, and 25s., c.i.f. Seychelles, 31s., spot.

PEPPERMINT.—*Arvensis*: Chinese is scarce at 25s. per lb. on the spot and 24s., c.i.f. Brazilian, 10s. 6d., spot and 8s. 9d., c.i.f. Formosan, 17s. 6d., spot; new-crop for June-July shipment, 15s. 6d., c.i.f. Italian "Mitcham"-type oil on spot is from 42s. 6d. to 47s. 6d.; American 27s. 6d. to 55s., as to origin.

SAGE.—Spanish is 8s. 6d. per lb.; Dalmatian, 37s. 6d.

SANDALWOOD. — Mysore offered from 81s. to 87s. per lb. as to source. East Indian, 72s., spot.

SASSAFRAS.—Brazilian is from 3s. 9d. per lb., duty paid.

SPERMINT.—Offers of U.S.P. grade are from 29s. per lb. on the spot.

TANGERINE.—Spot supplies of best oil are offered at 40s. per lb.

VETIVERT.—Spot is currently at about 90s. per lb.

UNITED STATES REPORT

NEW YORK, APRIL 15: Japanese **MENTHOL** dipped ten cents to \$6.90 per lb. **THEOBROMINE** was easier with imported material down 15 cents to \$3.85 a lb. and no domestic material available. **ATROPINE** continued to edge upward with the **ALKALOID** now quoted at five dollars an oz. (up thirty cents) and the **SULPHATE**, \$4.50 (up 50 cents). **SARSAPARILLA** was cheaper with the **Honduran** at 50 cents a lb. (down 15 cents), and the **Jamaican** at 45 cents (down five cents). **TANGERINE OIL** jumped up by 50 cents to \$3.25 a lb. Lower per lb. were **NUTMEG OIL** at \$12.50 (down 50 cents) and **Bourbon VETIVERT** at \$13.50 (50 cents).

WORLD TRADE

Chemical Workers Seek Wage Increase.—Workers' representatives in 150 chemical firms in Lower Saxony decided recently to press for a 15 per cent. wage increase in the industry at coming wage talks.

Soviet-West German Trade.—The West German Government has agreed with the Soviet Union to increase mutual trade, about doubling it by 1960. A statement by the two parties said that the Soviet Union would in the course of the three years, place large orders in West Germany for (among other things) plant for the chemical industry.

Vaccine Export Restrictions Lifted.—A restriction on exports of Salk polio vaccine has been removed as production and supplies were reported sufficient to meet domestic and foreign needs. Until now exports have been limited to five million cubic centimetres a quarter. At the same time the U.S. Department of Commerce eased requirements for exporting Asian influenza vaccine, which may now be shipped to most countries under a general licence without prior approval.

Indian-Japanese Trade Agreement.—India and Japan have now ratified a trade agreement signed in Tokyo on February 4. The agreement provides for the grant of most favoured nation treatment by both countries in all matters of customs duties, regulation of imports and exports, shipping facilities, etc. Commodities for export to Japan include spices, and imports from Japan will include drugs. India's total exports to Japan during the first nine months of 1957 were 235 million rupees while 415 million rupees worth of Japanese goods were imported during the same period.

Australian Manufacturer Seeks Protection.—An Australian manufacturer of cortisone has asked the Tariff Board for protection against imports of the drug. The company, Merck Sharp & Dohme (Australia), Fairfield, N.S.W., has applied for a public inquiry by the Board. Subject materials of the inquiry will be the basic chemicals hydrocortisone, cortisone, prednisone, and prednisolone and their salts. At present those materials are imported duty free from the United Kingdom while all other countries must pay 7½ per cent. duty. The company claims that it needs some protection to carry on production economically. It is not expected that the hearing will take place until the end of this year.

Japanese Pharmaceutical Export Drive.—A Japanese pharmaceutical trade mission has arrived in Singapore to survey the market and boost the sale of Japanese products. The mission represents the pharmaceutical industries of Osaka, where 40 per cent. of Japan's medical products are made. Japan, after only one year, has become Malaya's fourth biggest supplier of pharmaceutical goods. In 1956, it exported 790,000 Malayan dollars worth of medical products to Singapore. Last year the figure was 1,528,000 dollars compared with Britain's 15 million dollars, Hong Kong's 4.5 million dollars and the United States' three million dollars.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," March 26
For scientific and electrical apparatus and instruments; and photographic, cinematographic and optical apparatus and instruments (9)

FOTOCRYSTON, FOTOSIL, MICROCRYSTON, 771,269-71, POLYCRYSTON, 771,275, by James A. Jobling & Co., Ltd., Sunderland, Durham.

For optical projection apparatus and parts (9)
IKOIX, 754,666, by Zeiss Ikon A.G., Stuttgart S., Germany.

For apparatus for use in the collection, storage or administration of blood (10)

SERA-VAC, 765,196, by Travenol International Inc., Morton Grove, Illinois, U.S.A.

For food for cats (31)

SPRATT'S TOP-CAT, 770,463, by Spratt's Patent, Ltd., London, E.3.

From the "Trade Marks Journal," April 2

For chemical substances for use in agriculture and horticulture; and fertilisers (1)

DUNITRAM, 772,979, by Imperial Chemical Industries, Ltd., London, S.W.1.

For all goods but not including lipsticks or essential oils or any goods of the same description (3)

Device, 767,813, by A. J. Seward & Co., Ltd., London, E.C.4.

For cleaning, polishing, scouring and abrasive preparations (3)

PROGRESS, B769,617, by Gordon Thomas Fillery, London, E.C.4.

For lipstick and nail varnish (3)

SHOCK, 771,084, by Gala of London, Ltd., London, W.1.

For soaps, perfumes, non-medicated toilet preparations, eau-de-Cologne, essential oils, cosmetics, hair lotions and dentifrices (3)

TOSCA-TOSCANI, 771,298, by Eau de Cologne & Parfumerie-Fabrik, Glockengasse No. 4711, Gegenüber der Pferdepost von Ferd Mülhens, Cologne-on-Rhine, Germany.

For cleaning preparations for the hands (3)

HANDRAX, 771,920, by Enurcx Co., London, W.1.

For all goods (3)

INSOLENT, 773,163, by Soci  t   Technique de Parfumerie F. Millot, Paris, France.

For pharmaceutical substances for human and veterinary use; sanitary substances and disinfectants (5)

ANOTHAL, B668,193, by Imperial Chemical (Pharmaceuticals), Ltd., Slough, Bucks.

For medicinal preparations (5)

V-CIL-K, 769,921, by Eli Lilly & Co., Indianapolis, Indiana, U.S.A.

For pharmaceutical preparations for use in the treatment of colds and pain (5)

LIQUIPRIN, 770,096, by Johnson & Johnson, New Brunswick, New Jersey, U.S.A.

For pharmaceutical products and preparations for human and veterinary use; medical and surgical plasters, surgical dressings; disinfectants, insect destroying and insect repelling preparations, fungicides, sanitary substances; and preparations for destroying vermin; but not including pharmaceutical preparations for human use for administration by inhaling (5)

BRESACIL-CILAG, 773,185, by Cilag A.G., Schaffhouse, Switzerland.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Sunday, April 20

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Navestock Side, near Bentley Church, Ongar Road, at 11 a.m. Car rally.

Monday, April 21

BATH AND BRISTOL SCHOOLS OF PHARMACY OLD STUDENTS' ASSOCIATION, Old Council House, Corn Street, Bristol, 1, at 8 p.m. Annual meeting.

ENFIELD CHEMISTS' ASSOCIATION, Hop Poles, Baker Street, at 7.30 p.m. Buffet supper; Miss M. A. Burr (a member of the Pharmaceutical Society's Council) on "Current Affairs in Pharmacy."

FINCHLEY BRANCH, PHARMACEUTICAL SOCIETY, Bull and Butcher, Wheistone, London, N.20, at 8 p.m. Annual meeting; colour travel films by Mr. W. L. Garfield.

GLASGOW PHARMACEUTICAL COMMITTEE, Institute of Chartered Accountants, 220 St. Vincent Street, at 7.30 p.m. Annual meeting.

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, The Unicorn, Gidea Park, at 7.45 p.m. Annual meeting.

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon hotel, at 7.30 p.m. Annual meeting.

Tuesday, April 22

SHEFFIELD BRANCHES, PHARMACEUTICAL SOCIETY, BRITISH MEDICAL ASSOCIATION and BRITISH DENTAL ASSOCIATION, No. 1 chemistry lecture theatre, Sheffield University, at 8.15 p.m. Mr. H. C. Husband on "The Jodrell Bank Telescope."

SUNDERLAND BRANCH, PHARMACEUTICAL SOCIETY, Palatine hotel. At 7 p.m., dinner; at 8 p.m., annual meeting.

Wednesday, April 23

LEICESTER AND LEICESTERSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Bell hotel, Leicester, at 7.30 p.m. Annual meeting.

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Queen hotel, Chester, at 7.30 p.m. Annual meeting.

Thursday, April 24

BRIGHTON AND HOVE ASSOCIATION OF PHARMACY, Cook's hotel, Brighton, at 8 p.m. Annual meeting.

BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, Old Council House, Corn Street, at 7.15 p.m. Annual meeting.

LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS, Friends' House, Euston Road, London, N.W.1, at 7 p.m. Annual meeting; Dr. F. Hartley (The British Drug Houses, Ltd.) on "New Drugs."

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, administrative block, Freedom Fields Hospital, Longfield Place, at 7.30 p.m. Mr. R. Pearce (Kodak, Ltd.) on "Colour: Realistic and Abstract."

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Royal Beach hotel, Southsea, at 7.30 p.m. Annual meeting.

Friday, April 25

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION and BRANCH, Hulme Hall, Dance.

CROYDON PHARMACISTS' ASSOCIATION and BRANCH, Greyhound hotel, at 8 p.m. Dr. F. E. Camps (Home Office pathologist) on "Poisoning—Accident, Suicide or Murder?"

SOCIETY OF COSMETIC CHEMISTS, Royal Society of Arts, John Adam Street, London, W.C.2, at 7.30 p.m. Dr. Jean R. L. Martin, on "Men's Cosmetics in the United States."

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION and BRANCH, Lambeth town hall, London, S.W.2, at 8 p.m. Annual meeting.

Advance Information

PHARMACEUTICAL SOCIETY OF PAKISTAN, Karachi, November 28-30. Third Pakistan Pharmaceutical Conference and Exhibition.

UNIVERSITY OF LONDON, King's College, Strand, London, W.C.2, at 5.30 p.m. on May 5. Professor R. Huigsen (professor of organic chemistry and director, Institute of Organic Chemistry, Munich University) on "Recent Contributions to the Organic Chemistry of Nitrogen." Admissions free without ticket.

PRINT AND PUBLICITY

COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies. Where known, the number of appearances of the product during the week is shown in parentheses.

April 27—May 3

LONDON

Airwick (2), Alka-Seltzer (2), Anadin, Andrews (3), Anestan, Aspro (6), Atkinson's (3), Beecham's powders, Bristow's, Brylcreem (2), Cadum soap, Colgate's dental and shaving creams, Cutex lipstick (3), Damaskin (2), Dettol (2), Dylon dyes, super-white, Eno's Fruit Salt, French's bird food (2), Frozolon, Gale's honey (2), Gaylord Hauser yeast (2), Germolene (2), Gillette razors and blades (4), Harmony (3), Horlicks (2), Iron Jelloids (2), Larson's milk diet, Lorelox, Macleans indigestion remedies, tooth-paste (2), Max Factor, Milk of Magnesia tablets (2), Mix-A-Shake (3), Nervone, Optrex (2), Palmolive, Pepsodent (2), Phensic (3), Phyllosan, Phosferine, Ramer sponges, Robinade (2), Roberts Windsor, Settlers, Silvikrin, pure, hair cream (2), shampoo, Trojan, Trugel (3), Vaseline hair cream, hair tonic (2), Vosene (2).

MIDLAND

Alka-Seltzer, Anadin, Andrews (3), Atkinson's (3), Aspro (8), Beecham's powders, Bristow's shampoo, Clair de Lune, Colgate's dental cream, Cutex lipstick (3), Dettol (2), Dabitoft, Disprin, Dylon dyes, super-white, Eno's Fruit Salt, French's bird food (2), Fynnon salt, Gaylord Hauser yeast (2), Germolene (2), Gillette razors and blades (4), Harmony (3), Horlicks (2), Ibcot (2), Lorelox, Macleans indigestion remedies, tooth-paste (3), Max Factor, Milk of Magnesia, Mix-A-Shake (3), Moorland indigestion tablets, Optabs (2), Optrex, Palmolive, Pepsodent, Phensic (3), Phosferine, Phyllosan, Potter & Moore's Beauty Flow, Robinade (2), Silvikrin pure, hair cream (2), shampoo, Trojan, Trugel, Valderma, Vaseline hair cream (2), tonic, shampoo, Vosene, Zoflora.

NORTHERN

Alka-Seltzer, Amami, Anadin, Andrews (3), Aspro (4), Atkinson's (3), Beecham's powders, pills (2), Bristow's, Brylcreem, Cadum soap, Cephos (4), Colgate dental creams, Dettol (2), Dylon dyes, super-white, Eno's Fruit Salt (2), French's bird food (2), Fynnon salt (2), Gaylord Hauser yeast (2).



DISPLAY STAND: "3D" display stand for the speciality SD2 skin lotion, manufactured by Burn Watson, Ltd., Altrincham, Ches (see C. & D., March 22, p. 313).

Germolene (3), Gillette razors and blades (4), Harmony (3), Horlicks (2), Ibcot (2), Iron Jelloids (2).

Macleans indigestion remedies, tooth-paste (2), Max Factor, Milk of Magnesia tablets, Mix-A-Shake (3), Moorland indigestion tablets, Optabs (2), Optrex, Palmolive, Pepsodent, Phensic (3), Phyllosan (2), Phosferine, Robinade, Settlers, Silvikrin pure (2), hair cream, Trugel, Valderma, Vaseline hair cream (2), hair tonic (2), shampoo, Vosene (2), Zoflora.

SCOTLAND

Ajax, Alka-Seltzer, Anadin (2), Andrews (2), Atkinson's (3), Askit (7), Aspro (5), Beecham's powders (2), Bristow's (2), Cadum soap, Colgate dental creams, Dettol (2), Dylon dyes, super-white, Eno's Fruit Salt, French's bird food (2), Fynnon salt, Germolene, Gillette razors and blades (4), Harmony (3), Horlicks, Macleans indigestion remedies, tooth-paste (2), Max Factor, Milk of Magnesia tablets (2), Milpar (2), Optrex (2), Palmolive, Pepsodent (3), Persomnia, Phensic (3), Robinade, Silvikrin pure, hair cream (2), Trojan, Trugel, Vaseline hair cream (2), shampoo, Vosene (2), Zoflora.

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 30 per cent.; † = Tax 60 per cent.

SMITH & NEPHEW PHARMACEUTICALS, LTD.

		Each	I.R.P.
Nupa-sal tablets			
100 mgm.	100	5 0	7 6 R
	500	17 0	25 6 R
250 mgm.	100	8 0	12 0 R
	500	33 0	49 6 R

P.A.T.A. LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

J. G. INGRAM & SON, LTD.

	Doz	
Restwell hot-water bottle	60 0	7 6 R
junior	52 0	6 6 R

JOHNSON & JOHNSON (GT. BRITAIN), LTD.

(Prices in the Channel Islands)			
Johnson's baby powder	14 4	1 8	
	28 0	3 3	
baby cream	14 2	1 8	
	23 2	2 8	
baby soap	7 9	10	
baby lotion	12 6	1 6	
	21 6	2 6	

ADDITIONS TO LIST

WILLIAM FREEMAN & CO., LTD.

Suba plastic hot-water bottle	63 4	7 11
bed airer No. 1	47 4	5 11

GEIGY PHARMACEUTICAL CO., LTD.

Butazolidin suppositories			
250 gm.	5	60 0	7 6
	50	40 0	60 0
		Doz.	
Desogen lozenges	24	20 0	2 6
Dosulfon tablets	12	64 0	8 0
	100	36 6	54 9
		Doz.	
syrup		81 0	10 1½
Iragapyrin tablets			
250 mgm.	50	216 0	27 0
	500	164 7	246 10½
		Doz.	
Steroxin dusting powder		20 0	2 6

MORNY, LTD.

Skin perfumes†

A. WANDER, LTD.

Nov-Alocol tablets*	50	30 0	4 1
	250	102 0	13 11
dispensing pack	500	174 0	
powder*	100 gm.	54 0	7 5

DELETIONS FROM THE LIST

GRASSHOPPER, LTD. Grasshopper ointment and pills.

WALES

Airwick, Ajax, Alka-Seltzer, Anadin, Andrews (4), Atkinson's (3), Aspro (3), Beecham's pills (2), Bristow's (4), Brylcreem (2), Colgate dental creams, Dylon dyes, super-white, Eno's Fruit Salt, French's bird food (2), Gillette razors and blades (4), Harmony (3), Horlicks (3).

Macleans indigestion remedies, tooth-paste, Max Factor, Milk of Magnesia tablets (2), Milton, Palmolive, Pepsodent (2), Phensic (4), Phosferine (2), Robinade (2).

Silvikrin pure, Vaseline hair cream, Vosene (2).

PRESS ADVERTISING

BRITISH CHEMOTHEUTIC PRODUCTS, LTD., Kemtheutic House, Grant Street, Bradford: Bisk-O-Lait, Local and national newspapers.

EDWARD TAYLOR, LTD., Monton, Eccles, Manchester: Taylors plasters. In national newspapers during April, May and June.

FASSETT & JOHNSON, LTD., 86 Clerkenwell Road, London, E.C.1: Spray-tan, Women's magazines.

ROBERTS WINDSOR SOAP CO., LTD., The Aere, Windsor: Roberts Windsor toilet soaps. In *Woman*, *T.V. Times*, *Woman & Beauty*, *She*, *Good Housekeeping* and *Woman's Realm*.

NEW PRODUCTS AND PACKS

COMBEX, LTD.

Baby's Pal rattles:—	
3-D (bear, dog, fish)	2 11
Lazybones	2 11
Sailor Boy, Bobby	3 11
Slap Jack	4 11

EVER READY CO. (GT. BRITAIN), LTD.

Searchlight torch* 15 0

HALEX DIVISION, BRITISH XYLONITE CO., LTD.

Halex nylon feeding bottle 4 6

DALMAS, LTD.

Dalmas travel kit	5 9	8 9
heel dressing and protector	3	12 10
		1 6

POST-BUDGET PRICES

MORNY, LTD.

No. 440 bath essence†	2 oz.	5 6 R
	4 oz.	9 0 R
No. 441		
No. 450 bath salts tablets†	6	3 3 R
	12	5 6 R
No. 451		
No. 470 bath salts crystals†		6 9 R
No. 435 dusting powder†		7 6 R
No. 431 with puff†		10 6 R
No. 600 talcum†	3 oz.	3 6 R
No. 605 talcum†		
	plastic container	6 6 R
	refill†	3 6 R
No. 606		
No. 397 hand lotion†	2 oz.	3 3 R
	4 oz.	5 6 R
No. 398		
Perfumes†:—		
No. 136		29 6 R
No. 134		12 0 R
No. 132		4 0 R
No. 230 lavender flowers		
	1 oz.	4 0 R
	2 oz.	6 9 R
No. 232	4 oz.	11 9 R
No. 236X perfumed		
	cologne 2 oz.	6 3 R
	4 oz.	11 9 R
No. 270 solid brilliantine†		
	tin	2 6 R
	jar	3 6 R
No. 271		
No. 265 liquid brilliantine	2 oz.	3 9 R
No. 621 after-shave lotion	2 oz.	3 6 R
	4 oz.	5 6 R
No. 622		
No. 619 men's cologne	2 oz.	6 3 R
	4 oz.	11 9 R
No. 620		

C. & D. RETAIL AND DISPENSING PRICE LIST

SURGICAL DRESSINGS	2 in. s. d.	2½ in. s. d.	3 in. s. d.	3½ in. s. d.	4 in. s. d.
Bandages:—					
Crepe, B.P.C. (5 yd. stretched)	2 4	2 10	3 5	3 10	4 5

Heat wave display sells aerosol **Sooth-tan** and cream

And what greater impulse is there on holiday than to have a Mediterranean sun-tan before coming home—*without going red*?

Some people just do not believe you can avoid "going red", but the powerful sunscreen agents in both cream and aerosol actually prevent the reddening rays ever reaching the skin; thus leaving the skin free to tan rapidly from the browning wavelengths.

These two preparations in their startling new packages, provide a choice of two very high-class products. Your display of Sooth-tan can really help to *make people's holidays happier*.

The cream is a highly effective product, but the aerosol is quicker to use, easier to spread and lasts longer. Both products have a light, pleasant perfume and each is non-staining and non-greasy. The aerosol silicones *protect even after swimming*.

A showcard is given with every $\frac{1}{2}$ dozen aerosols. The cream sells at 2/6d; the aerosols sell at 13/- each.

a

Cuphal Ltd



Pharmaceutical Product

CUPAL LTD. • BLACKBURN • LANCs

Sooth-tan is a Registered Trade Mark

Monochloroacetic Acid Sodium Monochloroacetate

FARBWERKE HOECHST AG.
vormals Meister Lucius & Brüning
Frankfurt (M) - Hoechst



C 388 c. E/Ew 41

Distributors for chemicals in the U.K.:

HOECHST CHEMICALS LTD., 50, Jermyn Street, London S.W. 1, Tel. Reg. 7534
75, Piccadilly, Manchester 1, Tel. Central 2234/5



“...for Gill's I say thank you—
it's marvellous!”

"Willsdale"
Waterdells Lane
St. Ippollitta
Hitchin, Herts

March 16th 1957

Dear Sir,

I believe praise, where it's due,
gives encouragement, and for 'Gill's' I
say "thank-you - it's marvellous!"

After only the first treatment my
scalp and hair showed marked improvement,
now after only four shampoos the dandruff
is completely cleared up. I'm simply
delighted with the results. I've tried
other brands that stated dandruff and
shampoo treatment, with no results.

'Gill's' is a must in the future
for me.

Use these few words of thanks as
you will.

Sincerely,

(Signed) Helen Pringle (Mrs.)

IT'S gratifying to receive a letter like this, but it's by no
means unusual. The post is always bringing us en-
thusiastic tributes to Gill's Dandruff Remover Shampoo.
Thousands of testimonials acclaim Gill's as the most
effective treatment for all kinds of dandruff—powdery,

caked or greasy—for adults and
children alike. The public praise
Gill's, want Gill's, demand Gill's.
Keep a good stock — it's a highly
profitable line!

Gill's
DANDRUFF REMOVER
Shampoo

Retail size bottle 2/9d.
—wholesale 18/4d. per dozen
Attractive point-of-sale
material available.


Manufactured by:
BEAUTISALES LTD., 35 Old Bond St., London, W.1. HYDe Park 2565-6

Eire Agents: **MUR-RA LTD., 10B FISHAMBLE STREET, DUBLIN, EIRE.**

Also made and distributed by **EUGENE-GALLIA—Paris and Barcelona.**

Free Sample

Write on your business notepaper
for generous FREE SAMPLE BOTTLE
of GILL'S — the original Dandruff
Remover Shampoo.



First choice for the discerning woman

The particular quality and value of Mene is well known by women everywhere. Our sales figures prove that women have found that they can rely on these towels for super-soft comfort, economy and complete security. Only the very finest materials are used in order to ensure maximum absorbency and protection.

YOU can confidently recommend . . .



Sell your customers the
new MENE de Luxe
SANITARY BELT



The original British made preservative and antiseptic with its wide use for pharmaceutical and cosmetic products.

Our Service Dept. will gladly co-operate with you on all technical problems.

NIPA LABORATORIES LTD
TREFOREST INDUSTRIAL ESTATE
Nr. CARDIFF TEL: TREFOREST 2128/9

Sole Distributors for the United Kingdom

P. SAMUELSON & CO., ROMAN WALL HOUSE, 1 CRUTCHED FRIARS, E.C.3.

Telephone: ROYAL 2117/8

TANNIC ACID

AND DERIVATIVES

THE BRITISH DYEWOOD COMPANY LIMITED
19 St. VINCENT PLACE GLASGOW C.1

W. K. BURNSIDE Pty., LTD., Melbourne, AUSTRALIA

AUSTRALIAN EUCALYPTUS OILS

RECTIFIED B.P.

70/75% and 80/85%

EUCALYPTOL B.P.

PRODUCED NATURALLY WITHOUT FRACTIONATION
CONSEQUENTLY

KEEP FRESH LONGER

Agents for U.K.: **WILSON & MANSFIELD, LTD., 15 Philpot Lane, LONDON, E.C.3**

Phone: MANSION HOUSE 9264-5-6

(WHOLESALE ONLY)

Grams: WYFIELD, LONDON

*Read at a glance... **SOLD** at a glance*

THE NEW "MAYFAIR" PERSONAL WEIGHER No. 206

The increasing interest in dieting for health and beauty is making more and more people weight-conscious. All of these people need an efficient, yet economically priced weighing machine for use in their own homes.

We are spending thousands of pounds in advertising our re-styled Mayfair machine to the public. The Mayfair is now available in many attractive colours—white, powder blue, april pink, spring green, or pale primrose. It's read at a glance, and **SOLD** at a glance. Stock and sell the new Mayfair—now.



SALTER

NATIONALLY ADVERTISED IN
leading women's magazines

Geo. Salter & Co. Ltd., West Bromwich

M-W.45

Put Lastonet on show

Lastonet products are well worth a good display. They're steady sellers with a very good profit margin.

And you can step up your sales by using the eye-catching display material available.

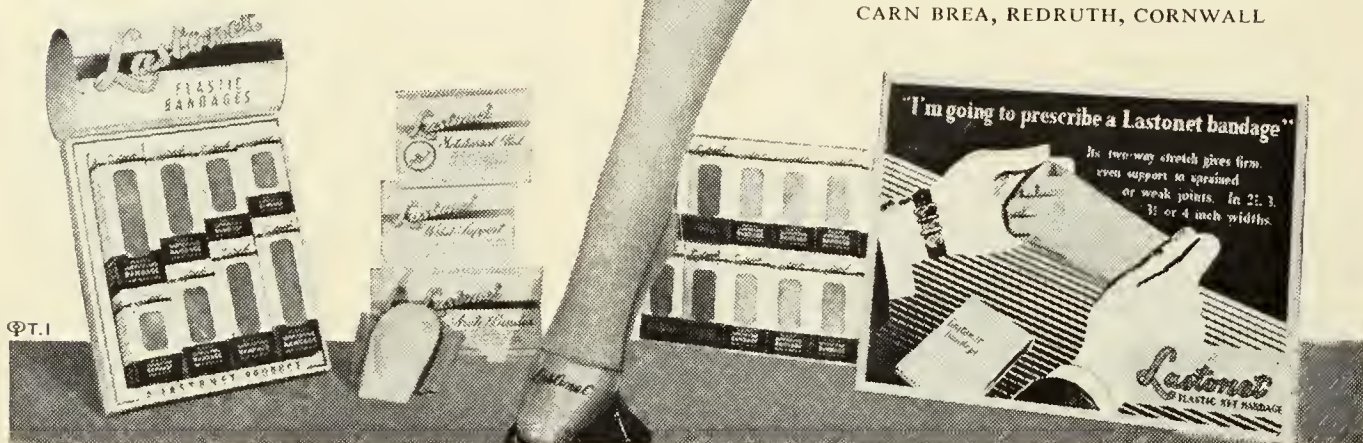
Showcards, display packs and display limbs for Lastonet stockings in your window or at point of sale will all help to boost business.

Just write for whatever you can use.

We'll send it right away.

Lastonet
SURGICAL PRODUCTS

LASTONET PRODUCTS LIMITED
CARN BREA, REDRUTH, CORNWALL



NEW VULFIX PURE BRISTLE BRUSH



THE BRUSH WITH THE TWO YEARS' GUARANTEE
FITTED WITH STYPTIC BLOCK IN BASE

with
**STYPTIC
BLOCK
in BASE**

Packed in units
of FOUR—

ONE in vacuum
Formed

Showcard

THREE in
Window Packs

Retail 6/11

Cost 46/3 Doz.

(P.T. 13/11) or
15/5 per 4

(P.T. 4/8)

Please ask your Wholesaler for particulars
of our Showstand and Bonus Parcel offers.

THE PROGRESS SHAVING BRUSH CO. LTD
Mottram St., Stockport, Eng. 92 Regent St., London, W.1

For the busy Chemist

the new Cuticura Medicated Liquid provides a two-fold service. Just one bottle makes a brilliant and attractive display that answers the customer's enquiry "What do you recommend . . . ?" And every bottle earns the customer's thanks for a preparation that effectively soothes and relieves minor skin and scalp irritations.

Mildly medicated for the Care of the Skin, as are all the Cuticura Preparations—Soap, Ointment, Talcum Powder and Shaving Stick—now comes the new

Cuticura Medicated Liquid

Trade Price 23/6 dozen, selling at 3/2 bottle

Purchase Tax 30%

Dispense

THERAZID

when the script calls

for calcium B-P.A.S. and

isoniazid together in

cachet or powder form



'Specialists in tuberculostatic drugs'

SMITH & NEPHEW

PHARMACEUTICALS LTD.

WELWYN GARDEN CITY · HERTS.

forgetfulness

Ask your present system

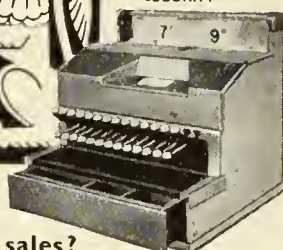
What are the amounts of the last five sales?
Were the correct prices charged?
Was the correct change given?
How much money should there be in the drawer now?

If it says "I forget" then you need the 'memory' of the Gledhill detail audit strip which affords instant visibility of the previous ten transactions and totals in a flash.

In conjunction with the large visible indication,



TRADE MARK
• SUPREMACY
• ACCURACY
• SECURITY



SUPREMACY
IN FUNCTION
ACCURACY
IN MANUFACTURE
SECURITY
FOR YOUR TAKINGS

Don't guess, get a Gledhill
You cannot afford to
trade without a Gledhill

the detail strip helps to eliminate mistakes which, for all you know, may be costing you 5/-, 10/- or even £1 per day.

Tens of thousands of retailers bless the day they wrote for the Gledhill Catalogue—which we ask you to do now.

You cannot afford to trade without a GLEDHILL. Write for full particulars today.

Gledhill —
the name that
registers.

GLEDHILL CASH REGISTERS

British made
for 65 years.

MANY DIFFERENT TYPES INCLUDING ONE SUITABLE FOR YOUR SHOP. EASY PAYMENT TERMS AVAILABLE. EXPERT AND PROMPT SERVICE AT ALL TIMES.

G. H. GLEDHILL & SONS LTD., 28 TRINITY WORKS, HALIFAX. Showrooms at:—
LONDON · BIRMINGHAM · MANCHESTER · LIVERPOOL · BELFAST · GLASGOW · NEWCASTLE · NOTTINGHAM

Mellajuce

Regd.

FRUIT JUICES and TOMATO COCKTAILS

Diabetics are describing
them as:—

..... "DELIGHTFUL"
"DELICIOUS"
"A WELCOME EXTRA"

THE PURE JUICE IS SO MUCH BETTER THAN ORDINARY SQUASH

Apply to your wholesaler or direct to
8 HOWARD STREET, GT. YARMOUTH
TELEPHONE: 4344

"Ladysmith" Busywear

4 ounce B.N.S.

NYLON



★ Will enhance your business by their smart and business-like appearance.

★ No Laundry Bills.

★ Easily washed and quickly dried
55/6 to 78/6

IN SWISS WHITE AND 15 SHADES
also in

TERYLENE

(ACID RESISTING)

AND DRILLS
WHITE & COLOURS FROM 25/11

Pin this to your letter heading and
post to us for styles, patterns
and prices.

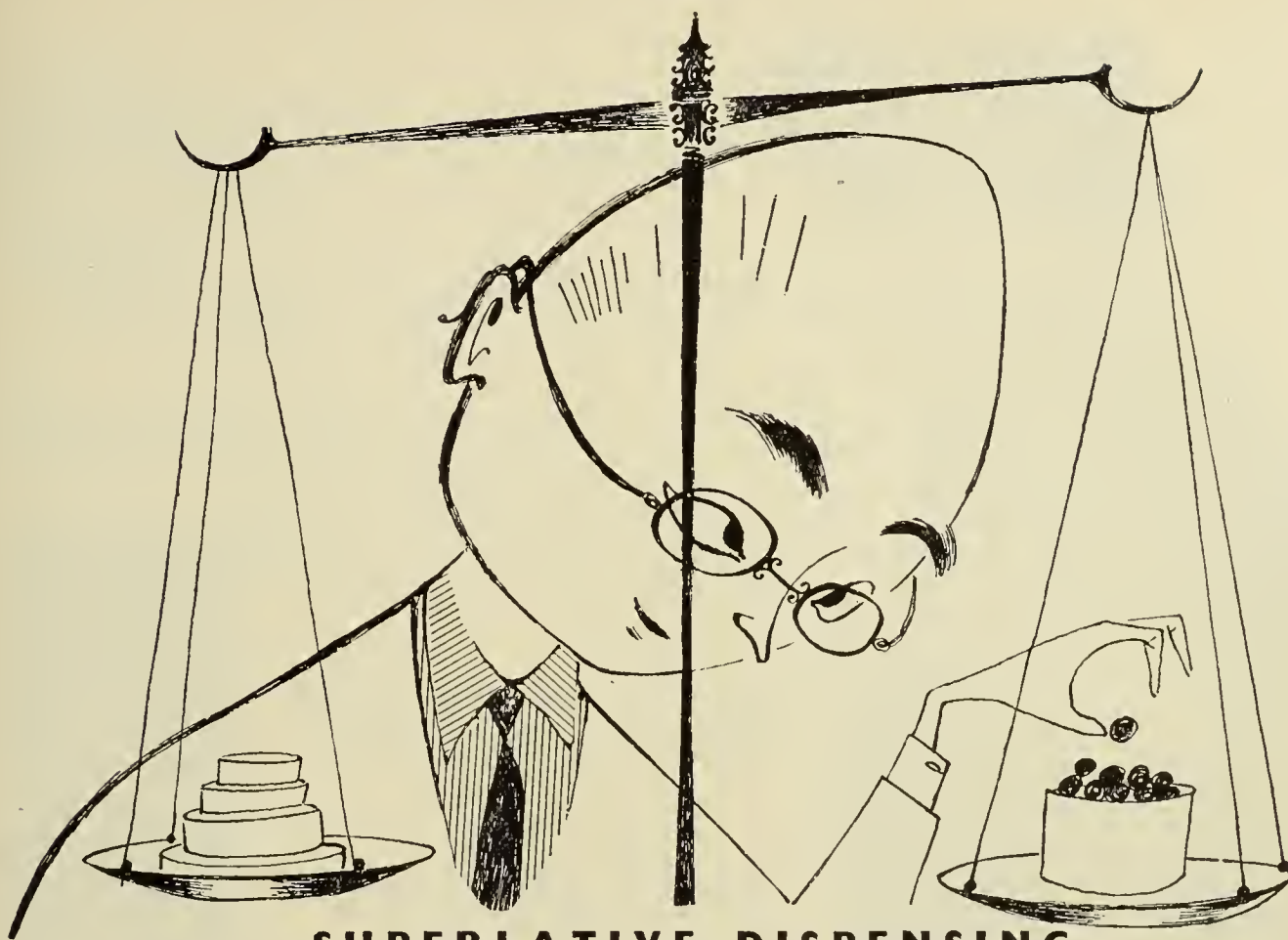


ORME BROS. LTD.

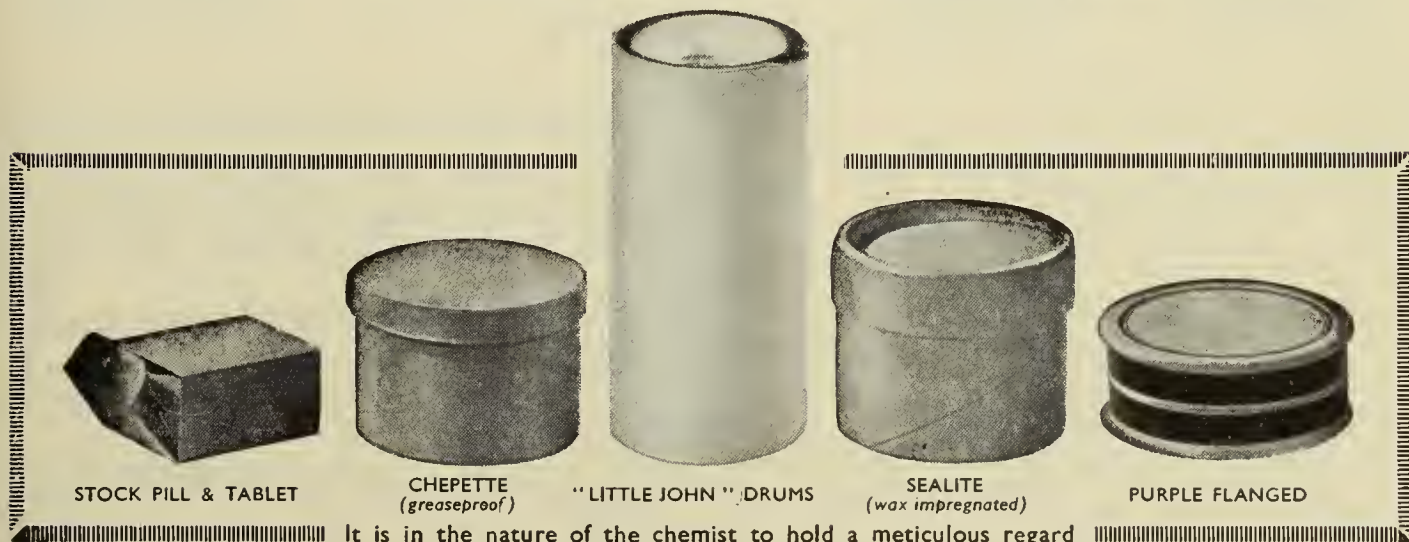
CORPORATION STREET, COVENTRY

Telephone : 2972

Established 1880



SUPERLATIVE DISPENSING



It is in the nature of the chemist to hold a meticulous regard
for everything he does and everything he handles. Small wonder, then, that he
specifies Robinson's standard chemists' boxes as a fitting
complement to superlative dispensing.




Robinson Boxes

ROBINSON AND SONS LIMITED

WHEATBRIDGE MILLS CHESTERFIELD

Telegrams: "Boxes" Chesterfield. Telephone: 2105, 8 lines

London Office: King's Bourne House, 229/231, High Holborn, London W.C.1. Telegrams: 'Omnibox' Holb. London. Telephone: Holborn 6383



Sales are good— repeat—sales are good!

Yes, once you start selling Oliver's sani-knicks you can be sure you will get those important repeat sales. These garments are full of the qualities which breed customer confidence. They are excellently made, fit well, and give comforting re-assurance. In locknit or net material with rubber protection, in brief and knicker styles, they are available in small, medium and large sizes. Colours white or peach. You cannot afford to miss this fast-selling line.

Oh! for OLIVER'S SOFT SAFE SANI-KNICKS

Available through your
wholesaler or for export.

WILLIAM OLIVER'S (RUBBER) LTD.

Blackhorse Lane, London, E.17.


Tel: LARKSWOOD 8811



Whitaker's for Dyes

"LUTON" STRAW HAT DYES and
"AURORAL" COLD WATER DYES
are nationally advertised and are regularly requested.
Attractive Pattern Cards and Showcards supplied.

Write for Order Form giving full lists of colours, prices and terms to:
WHITAKER & CO. (KENDAL) LTD., KENDAL.



Synfoam SUPER
HONEYCOMB ALL-PURPOSE
SPONGE FULLY SYNTHETIC

STANDARD SIZE (Approx. 5"x3½"x1½") Retail Price 2/11
LARGE SIZE (Approx. 5½"x3½"x1½") Retail Price 3/11
USUAL DISCOUNTS

Each Sponge in a 3-coloured transparent sleeve—Each dozen
in 4-coloured show carton—12 dozens in Cardboard Box.

Obtainable from YOUR USUAL WHOLESALER or contact:
FLETCHER & FARLOW LTD., Finsbury Court,
Finsbury Pavement, London, E.C.2. Tel: MONarch 6810

"SYNFOAM SUPER" SELLS ON SIGHT!

VITAMIN D3

PURE CRYSTALLINE D3

FINE CHEMICALS

Manufacturers:

PEBOC
LIMITED

Sales Office: 629/630 TOWER BUILDING,
LIVERPOOL 3, ENGLAND

Laboratories: NORTHOLT, MIDDLESEX



Specialities:-

TERPENELESS

ESSENTIAL

OILS and

CONCENTRATES

We manufacture a wide range of floral & speciality bouquets for all classes of trade

CONCENTRATES

PERFUME

OILS

ESSENTIAL

PHARMACEUTICAL & FINE CHEMICALS

MEDICAL SPECIALITIES

ANISEED
CAJUPUT
PEPPERMINT
Etc

CLOVE
JUNIPER

ADRENALINE
CARMINE
DIASTASE
HALIBUT LIVER OIL
PAPAIN
PIPERAZINE
SAFFRON
PEPSIN
THYROID
Etc.

BARBITURATES
BENZOCAINE
CAMPHOR

FOLIC ACID
PANCREATIN
PAPAVERINE

PHENAZONE

PROCAINE

"KADAMYSIN"
For
bronchial asthma.
Boxes of 10 x 1 ml.
ampoules.

"DEGALAN"
For haemorrhoids.
Ointment and suppositories
(Boxes of 10)

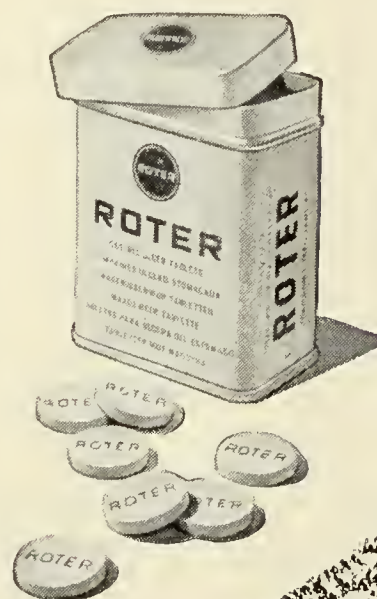
Veterinary

"DEVATOL-A" Tablets
An invigorator and tonic
for all domestic animals.

ZIMMERMANN

Chas. Zimmermann & Co. Ltd.,

Dega Works, Walmgate Road, Perivale, Middlesex,
Phone: Perivale 9121 (4 lines) Grams: Acidolan, Greenford, Midd'x
Glasgow Office: 75 Armadale Street, Glasgow, E.1. Phone: Bridgeton 9325.



An evaluation of
ROTER tablets in
PEPTIC ULCER

"... 90% satisfactory response obtained
in ambulant patients in the absence
of dietary restrictions or other drugs"

Extract from the BRITISH MEDICAL JOURNAL 1955, 2, 827

PACKINGS: Retail Prices including P.T., Trial size 40 tablets 7/5d.,
Standard size 120 tablets 21/3d. Full Treatment size 640 tablets
106/6d.; Dispensing packs 720 tablets, P.T. exempt.

Obtainable from your usual wholesaler.

*Roter Tablets are not advertised to the public, and may
be prescribed on E.C.10 forms. Literature and samples
on request.*



F.A.I.R. LABORATORIES (SALES) LTD., TWICKENHAM, MIDDLESEX

Relief for the asthmatic child



UNIQUE BUFFERED THEOPHYLLINE SYRUP

Relief from the apprehension and acute distress of an asthmatic attack is provided by 'ENGLATE.' In almost all cases gastrointestinal disturbance is entirely absent. The combination of theophylline sodium with glycine permits full and effective therapeutic activity and by reducing gastric precipitation of theophylline enables larger doses to be prescribed.

ENGLATE

Regd. Trade Mark

Theophylline Sodium Glycinate

SYRUP (containing 120 mg. of theophylline sodium glycinate per 4 ml.) for children up to 12 years. Available in bottles of 8 fluid ounces.

TABLETS (300 mg. of theophylline sodium glycinate). Available in bottles of 50 and 500.

Literature is available on request.



A. & G. Nicholas LTD. Slough, Bucks, England

AN EXTRA 5% PROFIT

FROM YOUR PLASTERS

During the months of APRIL, MAY and JUNE 1958, in consideration of your agreeing to display our plaster specialities for two weeks we are offering :

AN EXTRA 5% DISCOUNT ON SPECIFIED ORDERS VALUE £5 AND OVER. ASK OUR REPRESENTATIVE HOW YOU CAN QUALIFY, OR WRITE DIRECT TO

CUXSON, GERRARD & CO. LTD., OLDBURY, B'HAM

PRIDE 7^D NEW DOUBLE SHAMPOO SACHETS



BEER SHAMPOO

a special Blend for BRUNETTES which helps to attain that much sought after high gloss so necessary with either natural or tinted BLACK hair.

CHAMPAGNE SHAMPOO

is specially packed for those who desire the invigorating effect of wine and spirit with a lovely FRENCH PERFUME.

MEDICATED SHAMPOO

a hair health shampoo free of all harsh antiseptics. Based entirely on the Pure Natural Oils of the Pine and Ti-Trees is delightful to use and assures a clean healthy scalp.

These three shampoos are in double sachets giving sufficient for 2 complete shampoos. Smart and colourful packs.

Price 3/9 doz. plus 1/2 P.T.

From May, Roberts, Sangers or your usual wholesaler or direct.

B. N. FURMAN (Productions) LTD.,
133 Fonthill Road, N.4

THE STANDARD REFERENCE BOOKS FOR PHARMACISTS

PHARMACEUTICAL FORMULAS

VOL. I

VOL. II

New editions of these invaluable standard reference books have now been published. Completely revised and incorporating the latest formulations required by recent advances in medical science, they present a comprehensive summary of vital pharmaceutical information compiled from world-sources.

VOL. I
PRICE 37/6 Postage 1/9

VOL. II
PRICE 42/- Postage 1/9

Combined price for Vol. I and Vol. II when sold together, 75/- Postage 2/3

Order from your bookseller or from the publisher

The 
CHEMIST AND DRUGGIST
28 ESSEX ST., STRAND, LONDON, W.C.2

Sutton's for Service!

ONE

COMPLETE SERVICE

covering everything the modern pharmacist requires—except Bulk Drugs and D.D.A.

We are the complete wholesaler for PRESCRIPTIVE PHARMACEUTICALS, PROPRIETARY MEDICINES, DRUGGISTS' SUNDRIES, PROPRIETARY TOILETRIES, PACKED PHARMACEUTICALS.

ACCOUNT

Our extensive stocks enable us to supply all your needs, so eliminating broken accounts.

'PHONE SERVICE

We can 'phone you each day for your order in the Greater London Area, also in certain County districts by special arrangement, or our dependable operators are ready to receive **your** call during the day.

We shall be pleased to supply you with our combined ORDER and ADVICE NOTE sets for your convenience when forwarding your instructions.

Manufacturers' initial stocks are received by us previous to trade announcements. We are thereby able to supply immediately.

Sutton's is the answer!

W. SUTTON & CO.
DRUGGISTS' SUNDRIES LONDON LIMITED
HORSESHOE LANE, ENFIELD, MIDDLESEX
Enfield 4747 (PRIVATE BRANCH EXCHANGE)
also Albert Road, Newbury, Berks. Newbury 1461/2



* 1,843,000 ITV HOMES IN LONDON AREA —



EVERY WEEK MORE LONDON AREA SHOPPERS



BUY MORE TV ADVERTISED GOODS.



INCREASE WILL CONTINUE THROUGH THIS SUMMER.



ASSOCIATED-REDIFFUSION

Television House, Kingsway, London, W.C.2. Tel. Holborn 7888



SEE WHO REAPS THIS SUMMER'S SALES HARVEST



* Increase of 575,000 new ITV Homes from March 3rd, 1957 — March 2nd, 1958, according to Television Audience Measurement Ltd.

PIPERAZINE

A "TREE OF LIFE" PRODUCT

CARNEGIES PIPERAZINE

*The modern treatment for
worm infestation in medical
and veterinary practice.*

Piperazine Hexahydrate
Piperazine Citrate
Piperazine Hydrochloride
Piperazine Phosphate
Piperazine Tartrate, etc.

*We supply many of our Piperazine
Compounds in TABLETS to conform
with customers individual requirements.*

MANUFACTURED AT OUR
WELWYN GARDEN CITY FACTORY



REGD. TRADE MARK

CARNEGIES OF WELWYN LIMITED

Established 1911

Manufacturers of Fine Chemicals **WELWYN GARDEN CITY • ENGLAND**

Telephone: WELWYN GARDEN 5001 (10 lines) • Cables: CARNEGIES, WELWYNGARDENCITY • Telex: LONDON 28676



This advertisement in full colour is appearing in mass circulation magazines during the summer months supported by frequent T.V. spots.

**all set for
another boom
season for
Cussons
Talcum Powders**

1957 was a record sales year for Cussons Talcum Powders, and 1958 bids well to surpass it. Concentrated advertising in compelling colour, backed by frequent network T.V. spots, will help to accelerate the trend. Place your orders early. Experience proves that the biggest sales go to retailers who display Cussons Talcum Powders prominently.

CUSSONS SONS & CO LTD, KERSAL VALE, MANCHESTER 7

*An Authoritative Textbook for
Students of Photography . . .*

First published as a series of articles in

THE CHEMIST AND DRUGGIST

**'A MODERN COURSE OF
PHOTOGRAPHIC STUDIES'**

is available as a textbook adapted to the requirements of students
for the examinations of the Photographic Dealers' Association

51 pp. size 11" x 8 $\frac{1}{8}$ " with Linson Cover

PRICE 7s 6d or 8s 1d post free.

Edited by H. BAINES, D.Sc., F.R.I.C., F.I.B.P., Hon. F.R.P.S.

with chapters by T. J. L. BENTLEY, B.Sc., D.I.C.A.R.C.S

MORTIMER SHAPLEY, A. FINNIS ATTWELL

Obtainable from the Publisher—

The

CHEMIST AND DRUGGIST
28 ESSEX STREET, STRAND, LONDON, W.C.2

CANOVEL!

**A new oral vitamin-mineral supplement
for the following conditions . . .**

• • • • •
* **Debilitating diseases and Convalescence**
Canovel is an excellent general tonic.

* **Non-specific dermatoses**

* **Poor appetite**
with general debility and constipation
as a result of dietary defects.

* **Pregnancy and lactation**
when vitamin and mineral requirements
are greatly increased.

* **During periods of rapid growth** in puppies.
In the course of weaning to prevent
rickets, especially in the larger breeds,
and to promote good growth and
effective bone and tooth formation.



• • • • •
FOR ALL DOGS Canovel is the latest addition to the new range of vitamins for the veterinarian recently introduced by Vitamins Ltd. It is a compound vitamin-mineral supplement specially prepared for oral administration to dogs of all breeds and ages. Canovel contains the naturally occurring vitamins and mineral salts of wheat germ, liver and yeast plus vitamins A, D₃ and E and the essential members of the B complex together with calcium, phosphorus and trace elements.

Canovel helps to keep a dog in first class condition throughout all stages of its life. It is particularly valuable in times of extra strain, when a dog's vitamin-mineral requirements cannot be fully met by its standard food.

New Vitamin Products for Veterinary Practice

Tablets of ascorbic acid, B.P.	: Tablets of aneurine hydrochloride, B.P.	: Tablets of pyridoxine hydrochloride,
Injection of ascorbic acid, B.P.	: Injection of aneurine hydrochloride, B.P.	B.P.C.
Tablets of vitamin B complex	: Injection of vitamin B ₁₂	: Injection of pyridoxine hydrochloride
Injection of vitamin B complex	: Tablets of nicotinic acid, B.P.	Tablets of vitamin E
Liquor of vitamin B complex	: Injection of nicotinic acid, B.P.	B.P.C.
		: Tablets of vitamin K

For a detailed leaflet and a full list of preparations, write to



VITAMINS LIMITED

(VETERINARY DIVISION), UPPER MALL, LONDON, W.6.



ANOTHER **NEW**
PROFITABLE
Johnson & Johnson
DEVELOPMENT

'N-A' non-adhering dressings—
for Hospital, Doctor and Home

'N-A' Dressings are an entirely new type of non-medicated, non-greasy dressing for the treatment of varicose ulcers and similar skin conditions. By virtue of their nature and weave they reduce to a minimum any tendency to stick when in contact with granulating tissues. 'N-A' Dressings are sterile and germ-free. They are particularly useful for many skin injuries, ulcerations, and similar troubles which have to be treated at home; and to the medical and nursing professions for surgery use and clinical visiting. Individually wrapped and sterilised, retail trade price 15/- per box of 3 dozen.

'N-A' NON-ADHERING DRESSINGS

ANOTHER PROFITABLE



Johnson & Johnson
PRODUCT

THE WORLD'S MOST TRUSTED NAME IN SURGICAL DRESSINGS

'BAND-AID' sterilised
individually-wrapped
first-aid dressings.

Johnson's porous
adhesive bandages.

Zo and Zonas
spool plasters.

Medicated plasters.

Foot products.

Surgical dressings.

First-aid kits.

The CHEMIST AND DRUGGIST

CLASSIFIED ADVERTISEMENTS (Prepaid)

Specially spaced Advertisements, including:—Public and Legal Notices, Sale by Auction, Appointments, Contract Work, Patents, Partnerships, 18/- per 1/4 inch minimum and pro rata. Box 2/-. Clearances and Wants, Businesses for Disposal and Wanted, Premises, Agents Wanted, Agencies Wanted, Miscellaneous, 17/6 for 36 words minimum; then 4d. per word. Box 2/-. Situations Vacant, 12/- for 36 words minimum, then 4d. per word. Box 2/-. Situations Wanted, 3/- for 18 words minimum; then 2d. per word. Box 1/-. Replies to Box numbers should be addressed to:—The Chemist and Druggist, 28 Essex Street, Strand, London, W.C.2. Phone: CENtral 6565.

ORRIDGE & COMPANY

184 STRAND, W.C.2
Tel: TEMple Bar 9212/3 & 6340

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL
BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

PREMISES TO LET

BROOKMANS PARK AND WELHAM GREEN, HERTS. New shops with flats over to let in these new and progressive areas. Flats not let separately. Apply in writing to Day (Contractors), Ltd., 705 High Road, North Finchley, N.12. C 1460

HAYES, MIDDLESEX. Remaining few shop and flat units to let in recently completed modern central parade. Immediate possession. £475 p.a. ex. Full details from Messrs. Harvey, Struth & Co., 77 George Street, Portman Square, London, W.1, Hunter 1313-4-5. C 1461

SOUTHWARK Great Suffolk Street Redevelopment Scheme now completed. Lock-up shop to let in a new parade in this thickly populated district. Rent £350 per annum exclusive. For further details apply City Surveyor, Corporation of London, Guildhall, E.C.2. Telephone: Non. 3030, Ext. 341. C 7857

BUSINESSES FOR DISPOSAL

NORFOLK. Old-established dispensing chemists, turnover £10,000 plus, first-class site in centre of town, for sale as going concern. Freehold three-storey building includes living accommodation. Particulars from Harman & Gowen, 7 Queen Street, Norwich. C 1428

TO CHEMISTS and multiples. Drug store. Main position in busy populated London suburb (Eastern). Shop and premises in favoured position. Good turnover. All lines. Box C 1465.

BUSINESSES WANTED

AN ACTIVE Public Company wishes to purchase toilet, cosmetic or proprietary medicine business preferably of substantial size although smaller, old-established business would be suitable. Will also consider other manufacturing units operating in the Chemist, Grocer or Hardware fields. Communicate in strictest confidence with Managing Director, Box C 364.

APPOINTMENTS

ANCOATS HOSPITAL, MANCHESTER, 4
Assistant-in-Dispensing

required. Salary according to age rising to a maximum of £490 p.a. Applications, giving details of age, experience and qualifications to be sent to the General Superintendent. C 7866

BARNET GENERAL HOSPITAL, WELLHOUSE LANE, BARNET, HERTS (461 beds)

Assistant-in-Dispensing
required. Whitley salary scale with London Weighting. New well equipped department. Hospital convenient to Northern Line Station (L.T.). Applications to Hospital Secretary with details of qualifications and experience, and names of 2 referees. C 380

BETHNAL GREEN HOSPITAL, CAMBRIDGE HEATH ROAD, LONDON, E.2

Experienced Locum Pharmacist
male or female, for an indefinite period in modern department, commencing April 21, 1958. Applications stating age, experience, copies of two testimonials to Hospital Secretary. C 382

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Dispensing Assistants

required for the following periods:—

23rd June —	28th June
28th July —	2nd August
8th September —	13th September
8th September —	27th September

for duties at 3 hospitals within the Group. Salary up to £9 11s. 6d. per week, plus London Weighting, according to age and qualification. Applications to the Chief Pharmacist, St. Leonard's Hospital, Nuttall Street, London, N.1. C 378

CANTERBURY GROUP HOSPITAL MANAGEMENT COMMITTEE

Deputy Chief Pharmacist

Applications are invited for the appointment of Deputy Chief Pharmacist to the Group Pharmaceutical Department (Category IV hospitals). The department which is situated at the Kent and Canterbury Hospital serves the eleven hospitals and clinics in the area. Salary £675 rising by annual increments to a maximum of £910 per annum. Applications with full details and the names of two referees to be addressed as soon as possible to the Group Secretary, Central Office, Nunnery Fields Hospital, Canterbury. C 7845

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacists

required for the following periods:—

19th May —	31st May
9th June —	5th July
28th July —	2nd August
7th July —	27th September

for duties at 3 hospitals within the Group. Salary up to 16 guineas per week. Applications to the Chief Pharmacist, St. Leonard's Hospital, Nuttall Street, London, N.1. C 377

CLACTON AND DISTRICT HOSPITAL, COLCHESTER GROUP HOSPITAL MANAGEMENT COMMITTEE, 14 POPE'S LANE, COLCHESTER, ESSEX
Dispenser (part-time)

required for 18½ hours per week. Whitley Council scale. Applications to Group Secretary. C 7872

GENERAL HOSPITAL, MARGATE

Deputy Chief Pharmacist (Category IV)

Whitley Council salary scale—£675 to £910 per annum. Applications, stating age, qualifications and experience, with names of two referees, to the Hospital Secretary. C 384

HAMMERSMITH HOSPITAL & POST-GRADUATE MEDICAL SCHOOL,

DU CANE ROAD, LONDON, W.12
Senior Pharmacist

required at above general post-graduate teaching hospital (category V) to supervise sterile products laboratory and take part in general work of department. Post offers wide variety of experience. Whitley Council salary scale and conditions. Detailed applications, names two referees, to Secretary as soon as possible. C 7862

HOSPITALS FOR DISEASES OF THE CHEST

Pharmacist

Applications are invited for the above post or Senior Pharmacist at the LONDON CHEST HOSPITAL. Salary in accordance with the Whitley Council scales. Applications, stating age, qualifications and experience, accompanied by the names of two referees, to the House Governor, London Chest Hospital, E.2. C 7852

HAMMERSMITH HOSPITAL & POST-GRADUATE MEDICAL SCHOOL,

DU CANE ROAD, LONDON, W.12
Locum Pharmacist

required for several weeks from May 1. Salary by arrangement. Detailed applications to Chief Pharmacist. C 7863

KING EDWARD VII HOSPITAL, WINDSOR

Assistant-in-Dispensing

required urgently. Whitley salary. Apply giving particulars and names of referees to Secretary. C 7851

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1

Locum Pharmacist

required from May 12, 1958. Salary £16 16s. per week. Applications to the Chief Pharmacist (tel.: Stepney Green 4251). C 7828

MOORFIELDS EYE HOSPITAL, CITY ROAD, LONDON, E.C.1

Part-time Pharmacist (Temporary)

required for six sessions of four hours (mornings) each week. May to September. Salary in accordance with Whitley Council recommendations. Applications in writing, with names of two referees to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 7848

MOORFIELDS EYE HOSPITAL, CITY ROAD, LONDON, E.C.1

Locum Assistant-in-Dispensing

required for the period May 19 to September 27. Salary in accordance with Whitley Council recommendations. Applications to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 7847

PINDERFIELDS GENERAL HOSPITAL, WAKEFIELD

Assistant-in-Dispensing

required. Apothecaries' Hall Certificate preferred. Whitley Council salary scale applies. Address written applications, giving full personal particulars and two names and addresses for reference, to W. Bowring, Group Secretary, Pinderfields General Hospital, Wakefield. C 7856

ROYAL BERKSHIRE HOSPITAL, READING (Category V)

Senior Pharmacist and Pharmacist

required in Group Pharmaceutical Department, facilities for obtaining wide experience in pleasant surroundings. Staff of eleven. No Sunday duties, frequent 5-day weeks. Apply giving the names of two referees to Group Pharmacist. C 369

Appointments—Continued**NAPSURY (MENTAL) HOSPITAL
MANAGEMENT COMMITTEE,
Nr. ST. ALBANS**

Locum Tenens Pharmacist
required at £16 16s. per week. Details to the Group Secretary with names of two referees in an envelope to be endorsed "Locum Pharmacist." C 7840

**PINEWOOD HOSPITAL,
NINE MILE RIDE,
WOKINGHAM, BERKS**

Locum Chief Pharmacist
required from August 25 to September 13. Salary £16 16s. per week. Residential accommodation available, £135 p.a. Applications to Secretary. C 7741

**ROCHDALE AND DISTRICT
HOSPITAL MANAGEMENT
COMMITTEE,
BIRCH HILL HOSPITAL**

Assistant-in-Dispensing
required for duties in Pharmacy at above general hospital. Salary according to age and rising to a maximum of £490 per annum. Additional payment of £20 per annum will be paid to persons holding the Certificate of the Society of Apothecaries of London, or certain Service and other Dispensing Certificates. Application forms or further particulars from the Group Secretary, Central Offices, Birch Hill Hospital, Rochdale. C 7855

**ROYAL EAST SUSSEX
HOSPITAL, HASTINGS**

Locum Dispenser
required from September 1 to 6. Apply with full particulars to Administrator. C 7850

**STAINES GROUP HOSPITAL
MANAGEMENT COMMITTEE,
ASHFORD HOSPITAL,
ASHFORD, MIDDLESEX**

Pharmacist
required on salary scale £580 to £785 per annum, plus London Weighting Allowance, OR Locum Pharmacist, salary £16 16s. per week. Applications, stating age, qualifications and experience, with copies of up to three recent testimonials, to Medical Director of Hospital immediately. C 385

**ST. MARK'S HOSPITAL,
CITY ROAD, LONDON, E.C.1**

Locum Pharmacist
Male or female required for an indefinite period. Salary £16 16s. per week. Applications to Secretary. C 7865

**SUNDERLAND AREA HOSPITAL
MANAGEMENT COMMITTEE**

Pharmacist
required for the General and other hospitals. Salary £580 x £30 (6)—£760 x £25 (1)—£785. Whitley Council conditions. Apply immediately naming two referees to the Group Secretary, Sunderland Area Hospital Management Committee, General Hospital, Chester Road, Sunderland. C 7843

**THE BOARD OF GOVERNORS,
THE HAMMERSMITH,
WEST LONDON, AND
ST. MARK'S HOSPITALS**

Chief Pharmacist (Category I)
Applications invited for this post, vacant May 27, at the

**ST. MARK'S HOSPITAL,
CITY ROAD, LONDON, E.C.1.**
Salary scale £675/£910, plus London Weighting. Age, qualifications, experience, names two referees, to Secretary, Board of Governors, The Hammersmith, West London, and St. Mark's Hospitals, Du Cane Road, London, W.12, within ten days. C 7864

HEALTH CENTRE**SWINDON HEALTH CENTRE**

Deputy Chief Pharmacist
Applications invited from pharmacists for superannuable appointment of Deputy Chief Pharmacist at above Health Centre. Salary on scale £675—£910 p.a.—39-hour week. Living accommodation may be available if required. Applications stating age, qualifications, experience and names and addresses of three referees to be sent as soon as possible to the Clerk of the Council, County Hall, Trowbridge. C 367

**EDUCATIONAL
TEACHING APPOINTMENTS
SUNDERLAND
EDUCATION AUTHORITY
TECHNICAL COLLEGE**

APPLICATIONS are invited for the following posts in the PHARMACY DEPARTMENT:—

(1) **Senior Lecturer in Pharmaceutical Chemistry.** Candidates must be Honours Graduates in Pharmacy or possess a qualification of the Pharmaceutical Society and a Degree in Chemistry. Preference will be given to Candidates who have had teaching, industrial or research experience. The successful candidate will be required to organise the teaching of Pharmaceutical Chemistry up to the standard required for the qualification of the Pharmaceutical Society and Part II of the Bachelor of Pharmacy Degree of London. He will be encouraged to undertake research, for which excellent facilities are available.

(2) **Lecturer in Pharmaceutical Chemistry.** Candidates must be graduates in Pharmacy or possess a qualification of the Pharmaceutical Society and a Science Degree. The successful Candidate will be required to teach Pharmaceutical Chemistry up to the standard required for the qualification of the Bachelor of Pharmacy Degree of the University of London. He will be encouraged to undertake research, for which excellent facilities are available.

Salary in accordance with Burnham Technical Scale, as follows:—

Post (1) Men, £1,350 x 50—£1,550; Women, £1,080 x 40—£1,240 plus equal pay increments.

Post (2) Men, £1,200 x 30—£1,350; Women, £960 x 24—£1,080 plus equal pay increments.

The successful Candidates will be required to commence duties on, or as soon as possible after, September 1, 1958. Further particulars and Forms of Application may be obtained from the Registrar, The Technical College, Sunderland, co. Durham. Applications should reach the undersigned within fourteen days of the appearance of this advertisement. Canvassing will be a disqualification.

W. THOMPSON,

Director of Education.
Education Offices,
15 John Street,
Sunderland,
co. Durham. C 7836

**SITUATIONS VACANT
RETAIL HOME**

BEDFORD: Pharmacist manageress wanted for good-class family-type business. Private company (three pharmacies). Superannuation and life insurance scheme. Apply giving full particulars: Directors, Taylor, Brawn & Flood, Ltd., 71 High Street, Bedford. C 1446

BRADFORD: Young male assistant required for counter duties, interested in photography. Usual details. F. M. Rimmington & Son, Ltd., 9 Bridge Street. C 1451

ESSEX, convenient to London. Manager required for easily run shop. Salary £1,000 plus. Would suit newly qualified pharmacist. Attractive 3-bedroom flat available, rent and rates free. Apply J. Frank, 17 Hermitage Walk, South Woodford, E.18. C 1445

GREENFORD. Experienced Pharmacist required to manage a modern up-to-date business with an extensive dispensing connection. There is an experienced cosmetic staff and a self-contained flat at an economical rental is available. Applications in first instance to Box C 1454.

MANAGER for old-established retail business South Devon, specialising sale cameras and photographic equipment. Excellent prospects suitable man. Also for Cornwall. Write stating age and experience to Box C 1459.

MANCHESTER district. Manager (either sex) for private family business. Permanency. Average N.H.S. and counter. Congenial post and good staff. Rota one in four. Half-day Wednesday. Minimum clerical work. Telephone: URM 2812 (before 6 p.m.) for appointment. Stuart, 38 Flixton Road, Urmston, Lancs. C 1447

PHARMACIST required, lady or gentleman, for a good-class business in Twickenham. Living accommodation if required. Congenial position. Write Box C 1433.

QUALIFIED (male or female) as Branch Manager, Doncaster District. Salary and bonus approximately £1,000 per year. Applications with usual particulars to: Doncaster Co-operative Chemists, Ltd., P.O. Box 20, Doncaster. C 1424

OLDHAM CO-OPERATIVE CHEMISTS, LTD., invite applications for position of pharmacist branch manager. Accommodation, modern house made available, if necessary. Superannuation. Salary and other emoluments £930. Applications, stating age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham. C 388

RICHMOND, near. Managing Chemist required for a substantial business which offers many opportunities. A three-bedroomed house, with garage, is available if required. Applications in first instance to Box C 1455.

LOCUMS WANTED

ASSISTANT WANTED, Isle of Man. Unqualified lady or gentleman, capable, energetic assistant wanted from June until September. Duties chiefly counter, light dispensing—some knowledge of photography. State experience and salary required with references. Frank Purcell, Chemist, Strand Street, Douglas, Isle of Man. C 1439

LOCUM REQUIRED for two weeks, preferably late June or early July. Comfortable post, adequate competent staff, only dispensing necessary. Previous regular locum accepted permanency. Write stating terms to: Superintendent Chemist, Grantham Co-op Pharmacy, London Road, Grantham. C 1456

RETAIL (OVERSEAS)

APPLICATIONS are invited from qualified and unqualified male staff for service in Northern Rhodesia. Three-year contract. Apply by air mail stating age, experience, marital status, religion, nationality, etc., to Advertiser, P.O. Box 202, Broken Hill, Northern Rhodesia. C 7835

REQUIRED by old-established British house in East Africa, young, preferably single, Pharmacist. Generous salary and conditions, housing provided, paid home leave. Full details to Box C 1452.

WHOLESALE**ALLIED LABORATORIES, LTD.**

MEDICAL REPRESENTATIVE required for S.E. London and Kent to take over and develop an established connection. Previous experience in this work is not essential but a sound medical or pharmaceutical background is necessary. Company car provided. Remuneration is by salary, commission and expenses. An attractive pension scheme is in operation. Applications, giving details of career to date, should be addressed to Sales Manager, Allied Laboratories, Ltd., 140 Park Lane, London, W.1. C 386

ANALYST

wanted for analytical and research work. Pharmaceutical qualification minimum and some experience preferred.

Five-day Week. Pension Scheme. Full details with application in writing to Technical Director, Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, 1. C 7870

EXPERIENCED REPRESENTATIVE required for established territory (South London). Good salary, commission, expenses and pension scheme. Apply in writing to Sales Manager, H. & T. Kirby & Co., Ltd., Belton Road, London, N.W.2. C 7871

EDWARD TAYLOR LIMITED

Manufacturers of Medical Plasters, require a Representative to cover Hospitals and Wholesalers in the Home Counties, North and South of London. Company car provided. Remuneration by salary and expenses. Applications stating age, experience, and full details of previous employers, which will be treated in confidence, to Sales Manager, Monton, Eccles, Manchester. C 1458

MANUFACTURERS of nationally advertised proprietaries require the services of representatives on excellent commission basis to cover the following six territories: (Approx.) Wales, Northern Ireland, Yorks, Midlands, Norfolk, Devon and Cornwall, Hants and Dorset. Apply Box C 1444.

Applications are invited for the position of

**SALES MANAGER
UNITED CHEMISTS ASSOCIATION
LIMITED**

Candidates must have considerable experience in sales promotion of Pharmaceutical Products and services at home and overseas.

The position is established but offers considerable scope.

Conditions are attractive, excellent supporting staff, pension scheme, five-day week.

Apply:

Managing Director, Ucal Works, Cheltenham.
C 7861

The Chas. H. Phillips Chemical Co. Ltd.

invite applications

for the position of Representative, to contact Trades and Professions, in the Notts/Derbyshire area.

A pharmaceutical background and residence in the territory are essential.

The appointment carries first-class prospects, remuneration by salary, full expenses, superannuation, and Company car.

Detailed applications to Sales Director, 179 Acton Vale, London, W.3.

C 7859

Situations Vacant—Continued

LEADING COMPANY of distributors marketing nationally advertised pharmaceutical products, toilet preparations, etc., invite applications under 35 years of age, for the appointment of Assistant Sales Manager at their London Head Office. Experience in sales promotional work with knowledge of the wholesale and retail trade. Excellent prospects for advancement, non-contributory pension scheme. Applications in confidence with essential information including age to Box C 7846.

MEDICAL

REPRESENTATIVE

A well-known firm of manufacturing chemists requires a medical representative to interview doctors, hospitals and chemists in

Essex

Car and expenses provided.
Pension Scheme.

Apply giving age, full details of qualifications and experience, and state salary required. Box C 7853.

MEDICAL REPRESENTATION

PHARMACISTS or men with extensive Pharmaceutical background are invited to apply for appointments as Medical Representatives.

The main requirements are a knowledge of modern therapeutics, pharmacy and selling. In addition, enthusiasm, imagination and integrity are essential. The company offers a good basic salary in addition to a pension and life cover, provides a car and operates a bonus scheme.

When applying please give full details of self and career to date and state which area of the United Kingdom you are interested in. Replies to Box C 7739.

REPRESENTATIVE

Old-established London pharmaceutical company of highest repute requires a representative for Northern Ireland. Applications are invited from gentlemen with a good pharmaceutical background resident on the territory. Remuneration by salary, expenses and bonus according to personal achievement. A company car is provided. Non-contributory pension scheme. Give full particulars in confidence of experience to date, age and salary expected. Box C 7867.

MSL

have been retained
to advise on the
appointment of a

**SALES MANAGER
ETHICAL
PHARMACEUTICALS**

to a leading American Pharmaceutical Company with offices in Central London and an established sales volume in the United Kingdom. The Sales Manager must be capable of assuming complete responsibility for the selection, training and operation of a first-rate selling organisation.

THIS IS A UNIQUE OPPORTUNITY FOR A MAN, AGED 30-40 YEARS, WHO HAS OUTGROWN HIS PRESENT POSITION AND IS SEEKING AN OUTLET FOR HIS ORIGINALITY, ABILITY AND DRIVE. THIS POSITION OFFERS EXCELLENT PROSPECTS FOR ADVANCEMENT IN A PROGRESSIVE CONCERN WITH AN ACTIVE AND PRODUCTIVE RESEARCH PROGRAMME.

Applicants must be fully conversant with all aspects of "ethical" sales promotion and have had considerable practical experience in medical detailing, merchandising and the supervision of representatives.

The successful applicant will, within 2 years of his appointment, be given an opportunity to spend several weeks in the U.S.A. studying the parent company's procedures.

Initial salary will be not less than £2,000 per annum, depending on qualifications and experience; a car will be provided. A contributory Pension and Life Insurance scheme is in operation.

No information will be disclosed to our clients until candidates know their identity and have given permission after personal discussion. Please send brief details in confidence, quoting reference AK.926, to G. K. Dickinson.

**MANAGEMENT SELECTION
LIMITED**

17, Stratton Street, London, W.1

C 7854

TECHNICAL JOURNALISM: THE CHEMIST AND DRUGGIST has a vacancy on its editorial staff for a male pharmaceutical chemist with experience in journalism. Write to the Editor, 28 Essex Street, London, W.C.2. C 7858
TRAVELLERS wanted everywhere, additional line or sole. Pharmaceutical products experience preferred but not essential. New wonder product; no competitors; boon to all types retailer. Unlimited scope, high earnings. Box C 1426.

PFIZER LTD.

Pharmaceutical Representatives

1. East Anglia
2. Home Counties
3. London Area

Applications are invited from young men under the age of 40 for the above appointments.

Applicants will be required to call on dispensing chemists and should have a sound pharmaceutical knowledge and background.

Good starting salary and expenses. Car provided. Non-contributory Pension Scheme.

Applications, giving full particulars of age, experience, etc., should be made in writing to the Personnel Officer, 137/139 Sandgate Road, Folkestone, quoting reference E 6660.

C 7844

PHYSICIST and Chemist required for development work on flexible packing materials, plastic films and foils. For the latter post, experience in printing inks, pigments, etc., is desirable. Salary commensurate with qualifications and experience, and the positions advertised offer excellent prospects. Apply giving details of age, experience and qualifications to the Personnel Officer, The Metal Box Co., Ltd. (Brown, Bibby & Gregory Branch), Speke, Liverpool, 19.

C 7816

**SMITH & NEPHEW
PHARMACEUTICALS LTD.**

MEDICAL REPRESENTATIVES

We require 2 Pharmacists, with retail and hospital experience, who wish to make a career with us visiting members of the Medical and Pharmaceutical profession. Full training will be given by scientists in our research organisation in addition to instruction in ethical promotion. Candidates should be 25-40 years of age and be prepared to reside in Scotland, or the London area. We are a new company, rapidly expanding, and successful applicants will quickly realise the opportunities that lie ahead. A substantial salary will be paid, with full expenses and a Company car is provided. Bonus and Pension/Life Insurance scheme operating.

Please apply in strict confidence, giving concise summary of age, qualifications (mentioning any special scientific aptitudes) and experience to:—

Field Manager,

**Smith & Nephew Pharmaceuticals Ltd.,
Bessemer Road,
Welwyn Garden City, Herts**

C 7869

PRODUCTION MANAGER

FOR

PHARMACEUTICAL FACTORY

APPLICATIONS are invited for an important vacancy as Production Manager in a modern factory near Kingston, Surrey, from men aged 30 to 35. Applicants should possess a chemical or pharmaceutical qualification, and must have had several years experience in the preparation of sterile solutions and able to take full responsibility of such production. Experience in factory and personnel management also desirable. Excellent prospects and good remuneration according to experience. Full details in writing of experience and salary required to Astrapharm Limited, 24 Fairfield Road, Kingston, Surrey. Astrapharm is the British Associate Company of Astra of Sweden — the largest pharmaceutical concern in Scandinavia.

(Envelopes marked Confidential—"Production Manager").

C 7849

BURROUGHS WELLCOME & CO.

invites applications from

Pharmacists interested in work as

MEDICAL REPRESENTATIVES

Applicants should be about 30 years of age, must possess a good educational background and wide pharmaceutical knowledge. Previous experience as a representative, while an advantage, is not essential. The positions are progressive and pensionable (contributory scheme). Applications (by letter only) will be treated in confidence. They should give full details of experience, etc., and state the area preferred.

Reply to:

The General Sales Manager (Home Division),
BURROUGHS WELLCOME & CO.,
THE WELLCOME BUILDING, EUSTON ROAD,
London, N.W.1

C 7784

SANDOZ PRODUCTS LIMITED

require a Pharmacist

Applications are invited from male pharmacists for a post in the London Office of Sandoz Products Limited.

Candidates should not be more than 35 and preference will be given to those holding a B.Pharm. degree or equivalent. Previous hospital or industrial experience would be advantageous. Attractive remuneration commensurate with experience; Pension and Accidents Insurance Schemes, etc. Applications in writing, including a summary of career, should be addressed to:

THE MANAGEMENT, SANDOZ PRODUCTS LIMITED,
SANDOZ HOUSE, 23 GREAT CASTLE ST., LONDON, W.1
C 7833

MEDICAL REPRESENTATIVES

The English subsidiary of an internationally famous ethical pharmaceutical company requires medical representatives for several London and provincial territories and invites applications, in confidence, from gentlemen, aged 25-35, who have had previous experience in this type of work.

The products to be detailed are interesting and are definite contributions to medical science.

A good salary will be paid to successful candidates and a car provided. Participation in a non-contributory pension scheme will be arranged after a probationary period.

Applications, which should contain full particulars, should be sent with a recent photograph to Box C 7815.

RIKER

Riker Laboratories Limited have vacancies for medical representatives. Remuneration, by salary and bonus, is good, expenses are generous and a new car is provided. Territories are as follows:

1. Staffordshire. 2. East Anglia.
3. Leicestershire and Derbyshire.

These are posts offering first class prospects for the right men. There are opportunities for further progress since promotion from within the representative force is a feature of company policy. Only applications from pharmacists or suitably qualified medical auxiliaries will be considered. Previous experience is not essential as a very comprehensive training is given. Apply in the first instance in writing to: The General Sales Manager, Riker Laboratories Limited, Morley Street, LOUGHBOROUGH, Leics,

marking the envelope "Representative."

C 7552

UCAL—LANCASHIRE AREA

Applications are invited for a first-class Representative to cover good established area in Lancashire, also Cumberland and Westmorland. Preference will be given to applicants (27/42 years) with experience and wide knowledge of all aspects of the Chemists' Trade. Permanent post with ample opportunities, and good remuneration. Write giving fullest personal details, age, present salary, etc., in strict confidence to Sales Manager, United Chemists Association Limited, UCAL WORKS, Cheltenham.

C 7860

BERDOE & FISH*Chemists' Transfer Agents and Valuers***41 ARGYLE SQUARE, KING'S CROSS, W.C.1**
(opposite St. Pancras and King's Cross Stations)**Wanted immediately good class businesses in London, Home Counties and South Coast. Private clients waiting with cash up to £10,000.**

● All Valuations and Stocktakings, carried out under personal supervision of principals.

Established 1870

Phone: TERminus 3574

Situations Vacant—Continued**REPRESENTATIVE**

wanted immediately. Opportunity occurs for a first-class salesman to call on hospitals, clinics, etc., for the sale of surgical dressings manufactured by an established Scottish Company. Excellent position available with substantial earnings to applicant with connection with these outlets. Our present salesmen are aware of this advertisement. Write if you are a car owner and capable of sustained effort, stating full particulars of previous experience and connection, to H 2536, Wm. Porteous & Co., Glasgow. C 7804

AGENTS WANTED

AGENTS required in the London and Essex areas to handle nationally advertised soft drink products in heavy demand. Please write, stating connection with wholesale, multiple and/or retail outlets. Box No. 1769, c/o Abbotts, Eastcheap, London, E.C.3. C 7868

AGENTS REQUIRED throughout Great Britain for the sale of proprietary medicine. No samples to carry, steady increasing sales with all best outlets at present. Send full particulars of areas covered, etc., to Box C 1457.

**A PROMISING NEW
PRODUCT IS AVAILABLE**

A new analgesic product of special appeal to millions of women has been successfully evaluated for effectiveness and is now presented for over-the-counter sales. Agents will be appointed throughout the United Kingdom and Ireland, the Commonwealth and other countries, and distribution will be supported by advertising. Enquiries are invited from agents with the required distribution facilities preparatory to negotiation of exclusive arrangements. All communications will be acknowledged. Box C 1431.

SITUATIONS WANTED**RETAIL HOME**

QUALIFIED CHEMIST, M.P.S.I., and ophthalmic optician (Ireland) desires position preferably in dual capacity. Please state salary. N.H.S. experience at optics. Box C 1450.

ESTABLISHED 1793

**ATKINSON & BARKERS
INFANTS' PRESERVATIVE**The Infants' Medicine
of 150 years' standing

For teething and digestive troubles

ROBERT BARKER & SON LTD
13 ALISTAIR STREET MANCHESTER, 1

RECESS labelled shop rounds. A number of new, unused bottles for sale, in sets of 56 titles. Each set consists of twelve 5 oz.; fourteen 10 oz.; eighteen 20 oz.; twelve 40 oz. bottles. Details on request. Box C 7839.

**SPRING GAY FASHION
JEWELS
FREE LIST FROM
L. FRANKENBERG, LTD.,
37 HOUNDSDITCH,
LONDON, E.C.3**

C 269

TENDERS

LANCASHIRE COUNTY COUNCIL
Tenders are invited for the supply of the following commodities to County Council Establishments.

1. Hard Soap
2. Carbolic Soap
3. Toilet Soap
4. Disinfectant
5. Sweeping Compounds (for Wood and Concrete Floors only)
6. Soda Crystals

Forms and conditions of tender from the Chief Education Officer, P.O. Box 61, County Hall, Preston. Tenders to be returned to the Clerk of the County Council, P.O. Box 78, County Hall, Preston, by 5th May, 1958. C 7842

MISCELLANEOUS**IMMEDIATE ADVANCES**

£50 to £20,000

WITHOUT SECURITY

REGIONAL TRUST LTD.**8 CLIFFORD STREET
NEW BOND STREET, LONDON, W.1**
Phone: Regent 5983 & 2914 C 353

SUPPOSITORY EXCIPIENTS "IMHAUSEN"
—in five different grades to suit individual needs
—available from Chemicals Trading Company, Ltd., 102 Bishopsgate, London, E.C.2. C 365

DEVELOPING AND PRINTING**MEDIUM SIZED D. & P. WORKS**

established 16 years, with enthusiastic management and staff and with the very latest equipment, would welcome your D. & P. enquiries. Postal service is per return but quality is not sacrificed. P.D.A. prices and discounts. We are members of P.D.A., W.P.F.A., and I.B.P. Mr. L. H. Morgan, Gwent Photographic Services, Snatchwood Works, Pontypool, Mon. Tel.: Talywain 355. C 274

WHOLESALE

EXPERIENCED REPRESENTATIVE seeks change. Ten-year connection in all London and E. Anglia area. Proprietaries, sundries, cosmetics. Box C 1464.

FOREMAN tablet maker. Experienced in all stages of tablet manufacture including coating, seeks permanent position with progressive firm. Box C 1453.

PHARMACEUTICAL and hospital sales representative with proven sales record in proprietary and hospital speciality lines, requires interesting position in N. Ireland where first-class connections are available, or would consider London and Home Counties area. Age 29 years, married. Box C 1423.

REPRESENTATIVE, connection in London area, with preference for south-east and south-west, requires position with firm of repute. Box C 1462.

TRAVELLER, resident South London, well connected retail chemists requires good position within London and Home Counties, aged 27. Clean driving licence but not a car owner. Available immediately. Apply Box C 1449.

AGENCIES WANTED

IRELAND. Well-known established firm of distributors in the Republic of Ireland offers active representation with complete coverage of the wholesale and retail trade for pharmaceutical, toilet and allied preparations. Facilities also available for packaging. Box C 7767.

BUSINESS OPPORTUNITIES

COMPANY of international repute, in modern factory, can now undertake the manufacture, packaging and despatch of cosmetic and pharmaceutical products. Box C 7832.

WANTED

Largest cash buyers of photographic equipment of every description, outdated film and paper, etc.

SPEARS**14 Watling St., Shudehill, Manchester**

Phone: Blackfriars 1916

Bankers: Midland Bank Ltd. C 374

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

MISCELLANEOUS SALES

100 BAYS of brand new adjustable steel-shelving, 72 in. high by 34 in. wide by 12 in. deep, stove-enamelled bronze green. Sent knocked down—6 shelf bay—£3 15s. Sample delivered free. Quantity discounts. N. C. Brown, Ltd., Eagle Steelworks, Heywood, Lancs. Telephone 69018. C 7689

CHEMISTS FITTINGS FOR SALE. Phone MOUNTview 2221 in business hours. C 1463

PRESSARY MOULDS, beautifully made in silver- or chromium-plated brass or gun-metal (36 and 48 cylindrical pressaries $\frac{1}{2}$ in. by 1 in.). Also suitable for making cardboard boxes. Cheap. Dr. Schott, Newcomen Street, London, S.E.1. Hops 22. C 1448

you too must have a **REGNA**

*because thousands of successful business
men stake their reputations on it.*

The Regna System of Cash Control is amazingly simple and effective, turning losses into profit by preventing all those money mistakes and miscalculations that so easily occur in the rush of modern trading. The Regna will streamline your business—save time, save money and establish goodwill between you and your customers by unfailing accuracy and efficiency.

WRITE TODAY FOR FULL DETAILS

DIFFERENT
MODELS FROM
£65

H.P. TERMS AVAILABLE

*All machines guaranteed.
Service arranged through
authorised Agents through-
out the United Kingdom.*



**ELECTRICAL OR
HAND OPERATED
MODELS AVAILABLE**



We are exhibiting at
Grocery, Provisions and
Self-service Exhibition, 9th-
12th June, Royal Horticul-
tural Halls, Westminster,
S.W.1. Stand No. 32, N.H.

*Post the Coupon - post
it today -*

POST IT NOW!

REGNA

CASH REGISTERS

THE REGNA CASH REGISTER COMPANY

LONDON: 27 JOHN ADAM ST., ADELPHI, W.C.2. Tel: TRAfalgar 3718-9
SCOTLAND: 109-111 STOCKWELL ST., GLASGOW, C.I. Tel: BELL 1614

★ PLEASE RUSH, WITHOUT OBLIGATION, DETAILS AND
PRICES OF THE FULL RANGE OF REGNA CASH REGISTERS

NAME

ADDRESS

The
CHEMIST AND DRUGGIST

APRIL 19 1958



‘Savlon will make it better, won’t it?’

CHILDREN *like* to have Savlon Antiseptic Cream on a graze or burn. It begins to feel better at once, because Savlon is so soothing.

Savlon is also highly germicidal, because it contains ‘Cetavlon’. It is active against the whole range of bacteria likely to delay the healing of minor wounds and burns.

Savlon can be recommended, too, for common skin complaints and for the prevention of nappie rash.

Retail price 2/6d. a tube.

**INTENSIVE SAVLON ADVERTISING
CONTINUES IN A COMPREHENSIVE RANGE
OF NATIONAL PAPERS AND MAGAZINES:**

DAILY EXPRESS · DAILY MAIL · DAILY MIRROR
DAILY TELEGRAPH · SUNDAY PICTORIAL
RADIO TIMES · WOMAN · WOMAN’S WEEKLY
WOMAN’S OWN · WOMAN’S ILLUSTRATED
FAMILY DOCTOR · HOME & FAMILY · MOTHER
MOTHER & BABY · MOTHER & CHILD · NURSERY
WORLD · PARENTS — and in a long list of
Provincial papers.

Savlon ANTISEPTIC CREAM

SHOWCARDS AND LEAFLETS AVAILABLE ON REQUEST



IMPERIAL CHEMICAL INDUSTRIES LIMITED PHARMACEUTICALS DIVISION WILMSLOW CHESHIRE
Ph. 705 T

